

General Catalog



Corporate Profile

Name Sato Keiryoki Mfg. Co., Ltd. Activities Manufacturing and distribution

Products Meteorological instruments, scientific instruments and industrial products

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The certificates we have been registered:

JCSS



ISO9001



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No. 0022-38 STANDARD THERMOMETER SET (Set of 8 pcs. in a case)

Used for calibration and test of all thermometers as stable and reliable reference. These thermometers can help you issue the documents dealt with ISO 9001 certificate and traceability.

- * Dual tubing with a scale plate enclosed.
- * Mercury-filled thermometers with an ice-point determination
- * Diameter of the thermometer: 9.5 to 10.5 mm. Length: 400 mm.
- * Calibration certificate issued by JCSS is attached. (JCSS: Japan Calibration Service System)

No.	Range	Div.	No.	Range	Div.
0	−50 to 0°C	0.1°C	4	150 to 200°C	0.1°C
1	0 to 50°C	0.1°C	5	200 to 250°C	0.1°C
2	50 to 100°C	0.1°C	6	250 to 300°C	0.1°C
3	100 to 150°C	0.1°C	7	300 to 360°C	0.1°C

— Can be sold loose —

No. 0022-08 STANDARD THERMOMETER SET (Set of 8 pcs. in a case)

- same as the above, but calibration certificate is issued by manufacturer.

No. 0021-10 STANDARD THERMOMETER SET (Set of 8 pcs. in a case)

- * Dual tubing with a scale plate enclosed.
- * Mercury-filled thermometers
- * Diameter of the thermometer: 6.5 to 7.5 mm. Length: 300 mm.
- * Calibration certificate issued by manufacturer is attached.

No. 0020-10 STANDARD THERMOMETER SET (Set of 8 pcs. in a case)

- same as the above, but thermometers are etched-stem type.
- * Diameter of the thermometer: 6.0 to 7.0 mm. Length: 300 mm.

ALCOHOL-FILLED ETCHED-STEM GLASS THERMOMETERS

— Total immersion type —

* Scale is etched on the surface of the glass tube

Minimum quantity: 10 pcs.

Cat No.	Range	Div.	Length	Metal case
0110-00	0 to 100°C	1°C	300 mm	
0120-00	−5 to 105°C	1°C	300 mm	
0140-00	–20 to 105°C	1°C	300 mm	
0220-00	0 to 50°C	1°C	300 mm	No. 0955-00 for 300 mm
0230-00	–20 to 50°C	1°C	300 mm	thermometer
0240-00	−30 to 50°C	1°C	300 mm	
0260-00	–50 to 50°C	1°C	300 mm	N- 0050 00
0280-00	0 to 150°C	1°C	300 mm	No. 0956-00 packed in a
0290-00	0 to 200°C	1°C	300 mm	blister pack
0315-00	−30 to 105°C	1°C	300 mm	for 300 mm
0320-00	-70 to 50°C	1°C	300 mm	thermometer
0330-00	–40 to 50°C	1°C	300 mm	
0335-00	−80 to 50°C	1°C	300 mm	
0340-00	–100 to 50°C	1°C	300 mm	
0600-00	–20 to 50°C	1°C	150 mm	No. 1710-90
0610-00	0 to 50°C	1°C	150 mm	for 150 mm
0620-00	0 to 100°C	1°C	150 mm	thermometer

Material of the metal cases: SUS304



No. 8800- 00 DATALOGGER MODEL SK-L751 (2-channel for Temperature measurement)

No. 8870- 00 DATALOGGER MODEL SK-L754 (1-channel each for Temperature and humidity measurement)

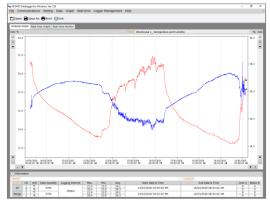


FEATURES

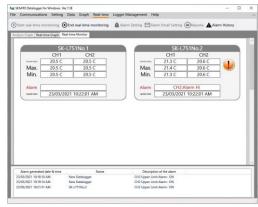
- The memory capacity is 16000 data items per channel.

 With logging interval of 90 minutes, the data of approx. 2 years and 9 months can be stored.
- The method of storing data is selectable among four logging options; "Once", "Repeatedly", "Ends at..." and "By pages".
- Logged data ca be copied to microSD card.
- Data analysis software and real-time transmission software are included as standard accessories on CD-ROM.
- The power supply can use both of batteries and an AC adapter (option).
- The date and time to start logging automatically can be specified by setting the preset start.
- The measurement data can be transmitted in real-time to a personal computer.
- The upper and lower thresholds for warning can be set. When the temperature or humidity threshold is triggered, the alarm mark (Hi/Lo) and alarm lump will light.
- The probes are interchangeably used with the main units.
- The storage memory can be verified with the memory indicator.
- The logging interval can be selected from 14 options: 1 sec, 2 sec, 5 sec, 10 sec, 15 sec, 30 sec, 1 min, 2 min, 5 min, 10 min, 15 min, 30 min, 60 min and 90 min.
- Even if batteries run out, the data will not be lost. Measured data is saved in the internal memory.
- The datalogger ID (6 digits) can be set. It helps you identify multiple dataloggers.
- By using the data analysis software attached, the acquired data can be evaluated easily and quickly, and also evaluated by using commercial spreadsheet software supporting CSV extension such as Microsoft Excel.
- Displayable in °C/°F.

Graph Displays on PC screens



Main Screen



Real-Time Monitoring

SPECIFICATIONS

1. Main Units



Cat. No.	8800-00	8870-00		
Model	SK-L751 (Temperature measurement)	SK-L754 (Temperature and humidity measurement)		
Measuring channel	2 channels for temperature	1 channel each for temperature & humidity		
Measuring range	Depends on the	probe connected		
Resolution	0.1°C / 0.1°F	0.1°C / 0.1°F / 0.1%rh		
Display Accuracy	±0.2°C (0 to 40°C) ±0.3°C (other than above)	Temp.: ±0.2°C (0 to 40°C) ±0.3°C (other than above) Humid: ±0.2%rh (0 to 40°C) ±0.3%rh (other than above)		
Temperature unit (°C/°F)	Temperature unit switch (Cel	lsius/Fahrenheit) is equipped		
Display sampling	Approx.	1 second		
Display	Temperature/Humidity Alarm (ALM), logging option, status display (REC /RES), memory indicator (in bars), SD memory, low battery indicator, key-lock mark, error codes, setting value at each setting			
Memory capacity	16,000 data item	s for each channel		
Logging intervals	14 options: in seconds (1, 2, 5, 10, 15, 30) and in	minutes (1, 2, 5, 10, 15, 30, 60, 90)		
External memory	microSD/SDH	IC up to 32GB		
Operating ambient	-10.0 to 60.0°C, lower that	an 85%rh (no condensing)		
Storage ambient	-10.0 to 60.0°C, lower that	an 85%rh (no condensing)		
Power requirement	Two AA alkaline bat	teries or AC adapter		
Battery life	Approx. 500 hours in continuous measurement mod 16,000 data items can be logged at any logging inte			
Dimensions	Approx. 114 (W) x 80 (H) x 35 (I	D) mm (exclusive of protrusions)		
Weight (approx.)	232 g (inclusive of batteries)	227 g (inclusive of batteries)		
Waterproof property	IP65 (when w/-sensor-cord-type probe connected)			
Standard accessories	CD-ROM: Data analysis software and real-time software	, USB cable, 2 AA alkaline batteries, English manual		

2. Optional accessories

No. 8229-50 AC adapter for SK-L751 / SK-L754 Dataloggers

SPECIFICATIONS

Primary input voltage: 100 to 240VAC 50/60Hz

Plug : USB mini-B Cord length : 1.5 m



No. 8229-60 Sensor filter (a pack of 4 pcs.) No. 8229-61 Sensor filter (a pack of 20 pcs.)

Available for SK-L754-1 and SK-L754-2 Plug-in type probes

* Recommended for use in a dusty environment







Filter installed

3. Optional Probes for SK-L751 Datalogger (Temperature measurement)



No.8810-01 Model SK-L751-1 Plug-in type



No.8810-02 Model SK-L751-2 W/-sensor-cord type

Sleeve type No.8810-21 Model SK-L751-21 No.8810-22 Model SK-L751-22 (Silicone cable) *3



Immersion type No.8810-31 Model SK-L751-31 No.8810-32 Model SK-L751-32 (Silicone cable) *3

Cat.	No.	8810-01	8810-02	8810-21	8810-22	8810-31	8810-32
Model		SK- L751-1 Plug-in type	SK- L751-2 W/-sensor-cord	SK- L751-21 Sleeve type	SK- L751-22 Sleeve type *3	SK- L751-31 Immersion type	SK- L751-32 Immersion type *3
Mea	suring range	−10.0 to 60.0°C	-40.0 to 80.0°C	–40.0 to 80.0°C	-40.0 to 105.0°C	–40.0 to 80.0°C	-40.0 to 105.0°C
<u>></u>	-40.0 to −10.0°C				±1.	5°C	
Irac	−9.9 to 60.0°C	±0.5°C (*2)	±0.5°C		.0	000	
Accuracy	60.1 to 80.0°C				±0.	6°C	
Ā	80.1 to 105.0°C				±0.8°C		±0.8°C
Sen	sing element			Therr	mistor		
Wat	erproof		JIS C 0920 IP65 (*1)	P65 (*1) JIS C 0920 IPX7 (*1)			
S	Sensing part	PC resin	SUS304	SUS304		SUS303	
ria	Grip			SU	S303		
Materials	Connector		PVC resin				
Σ	Cord		PVC resin	PVC resin	Silicone	PVC resin	Silicone
SUS	Sensing part	Ø11 x 60(H) mm	Ø3.3 x 13(L) mm	Ø3 x (L)220 r	mm (point end)	Ø17 x 9	0(L) mm
Dimensions	Grip			Ø7 x 5	5(L)mm		
Je	Connector	Ø9 x 30(L) mm			Ø12 x 40(L) mm		
Ē	Cord		1.6 m	3	m	5	m
Wei	ght	Approx. 9 g	Approx. 23 g	Approx. 45 g	Approx. 90 g	Approx. 175 g	Approx. 240 g
Acc	essories			Test Result, E	nglish manual		

4. Optional Probes for SK-L754 Datalogger (Temperature/Humidity measurement)

Cat. No.			8880-01	8880-02	
Model			SK- L754-1	SK- L754-2	
Mooguring ro	000	Temp.	−10 to 60.0°C	−20.0 to 80.0°C	
Measuring rai	ige	Humid.	5.0 to	95.0%rh	
A 00118001		Temp.	±0	.5°C	
Accuracy		Humid.	Refer to the	graphs below	
Canaar		Temp.	Ther	mistor	
Sensor	Sensor		Capacitance humidity		
	Sens	ing part	PC resin		
Materials	Connector		PVC resin		
		Cord		PVC resin	
	Sens	ing part	Ø11 x 60 (H) mm	Ø11 x 34 (L) mm	
Dimensions	Co	nnector	Ø9 x 30 (H) mm	Ø12 x 40 (L) mm	
		Cord		1.6 m	
Weight			Approx. 9 g Approx. 35 g		
Accessories			Sensor filter x 1, Test Result		

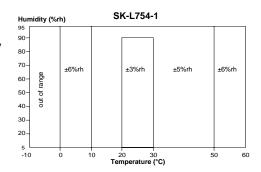


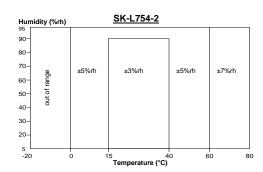
No.8880-01 Model SK-L754-1 Plug-in type



No.8880-02 Model SK-L754-2 W/-sensor-cord type

5. Measuring range and Accuracy of R. Humidity





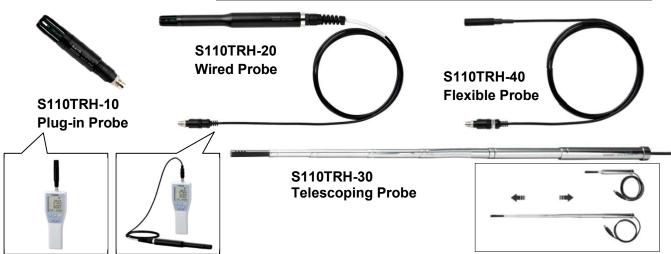
^{*1} When the probe is connected with a main unit
*2 When the temperature is between –10.0 and 60.0°C
*3 Probes with silicone cables are make-to-order products. Also, we offer a variety of tailor-made probes not listed here. Visit our website for details.

SK-110TRH-B DIGITAL THERMOHYGROMETER



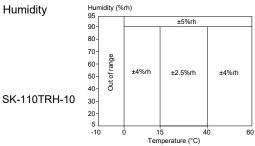
- Stores 200 pairs of temperature and humidity data
- Displays maximum/minimum temperature and humidity, wet bulb temperature, and dew point
- Detachable probes for versatile use
- Calibration available

Cat. No.	Cat. No. 8138-00				
Range		Depends of	Depends on probes		
	Tamamaratura	Main unit:	±0.2°C (0 to 40°C), ±0.3°C (other)		
A	Temperature	Probe:	±0.3°C (10 to 50°C), ±0.5°C (other)		
Accuracy	11	Main unit:	±0.2%rh (0 to 40°C), ±0.3%rh (other)		
	Humidity		Refer to the specs of each probe		
Resolution	Resolution		0.1°C, 0.1%rh		
Sampling r	ate	Approx. 1	Approx. 1 second		
Operating	ambient	-10 to 60°	−10 to 60°C, less than 80%rh without condensing		
Power		AAA alkali	AAA alkaline battery x2		
Battery life	Battery life		Approx. 1000 hours		
Material	Material				
Dimension	Dimensions		65 (W) x 168 (H) x 35 (D) mm except protrusion		
Weight		159 g including batteries			



PROBES		Plug-in Probe	Wired Probe	Telescoping Probe	Flexible Probe	
Model name		SK-110TRH-10	SK-110TRH-20	SK-110TRH-30	SK-110TRH-40	
Catalog no.		8141-10	8141-20	8141-30	8141-40	
D	Temperature	-10 to 60°C	-10 to 60°C -20 to 80°C			
Range	Humidity	umidity 5 to 95%rh				
Λ	Temperature	±0.3°C (10 to 50°C), ±0.5°C (other)				
Accuracy	Humidity	See below				
Weight		13 g	68 g	107 g	31 g	
Dimensions	Probe	Ø15 x 90 mm	Ø15–20 x 200 mm	Ø9–14 mm x varies btwn 200 and 930 mm	Ø9 x 35 mm	
	Cable	_	1.5 m	Varies btwn 0.7 and 1.5 m	1.6 m	
	Probe	PC	PC	POM + SUS304	POM	
Material	Cable	_		PVC	_·	
	Connector		PVC			

Accuracy of Humidity



Humidity (%rh)

95

908070605050504000205--20
0 15

Temperature (*C)

SK-RHC SERIES TEMPERATURE/HUMIDITY TRANSMITTERS

FEATURES

- Selectable output: voltage, electric current and RS-485 signals are provided.
- •Three optional probes are interchangeably used with the main units



SK-RHC transmitter with SK-RHCS-1 probe



SK-RHC transmitter with SK-RHCS-2 probe

SPECIFICATIONS

Cat. No.	8920-01	8920-02	8920-03	8920-04
Model	SK-RHC-V	SK-RHC-V	SK-RHC-I	SK-RHC-C
Output signals	Voltage output: 0 to 1V	Voltage output: 0 to 100mV	Current output: 4 to 20mA	Digital output: RS-485
Outputs	Temp::-100 to 600mVDC: -10 to 60°C Humi.:0 to 1000mVDC: 0 to 100%rh	Temp::-10 to 60mVDC: -10 to 60°C Humi.:0 to 100mVDC: 0 to 100%rh	Temp::4 to 20mA:-15 to 65°C Humi.:4 to 20mA:0 to 100%rh	RS-485
Display range	Tempe	erature: -15 to 65.0°C	Humidity: 5 to 99.9%rh	
Display accuracy	Tempe	erature: ± (0.1 + 1 digit) °C	Humidity: ± (0.1 + 1 digit)	%rh
Measuring range		Depends on the probe	connected	
Resolution	Te	emperature: 0.1°C (-9.9°C or h	nigher), 1°C (other range)	
	Н	umidity: 0.1%rh (15%rh or	higher), 1%rh (other range)	
Power requirement		12 to 24 VDC or Optiona	l AC adapter	
Functions	Upper/Lo	wer limit alarm output (No voltag	e ON-OFF 2 position contro	l)
Sampling time	Switchable (1 sec. /10 sec.)			
Dimensions	118 (w) x 100 (H) x 42 (D)mm			
Weight	Approx. 220g			
Accessories		Fixing screw for probe x 1,	English manual	

OPTIONAL PROBES







SPECIFICATIONS

Cat. No.	8921-00	8922-00	8922-10
Model	SK-RHCS-1	SK-RHCS-2	SK-RHCS-3
Sensing elements		Temperature: Thermistor	
		Humidity: High polymeric re	esistance change type
Measuring range	-10 to 60.	0°C	−10 to 60.0°C
	20.0 to 95	.0%RH (at 23°C)	25.0 to 95.0%RH (at 23°C)
Accuracy	±0.5°C (20.0 to 30.0°C	C) ±1°C (other range)	±0.7°C (20.0 to 30.0°C) ±1.2°C (other range)
	±3%RH (20 to 3	0°C / 30 to 90%)	±4%RH (20 to 30°C / 30 to 90%)
Dimensions (sensing part)	29(w) x 121(H) x 24(D)mm	19dia.x 118.5(L)mm	6 dia. x 35(L)mm
Cord length	— 5m (*)		1.5m
Weight	Approx. 42g	Approx. 228g	Approx. 87g

^{*} SK-RHCS-2: available to extend sensor cord up to 20m at option

TEMPERATURE/HUMIDITY INDICATORS

No. 8091-00 Temperature Indicator Model SK-M460-T



No. 8092-00 Temperature Indicator Model SK-M350-T



No. 8091-50 Temperature & Humidity Indicator Model SK-M460-TRH



No. 8092-50 Temperature & Humidity Indicator Model SK-M350-TRH



SPECIFICATIONS

Cat. No.		8091-00	8091-50	8092-00	8092-50	
Model		SK-M460-T	SK-M460-TRH	SK-M350-T	SK-M350-TRH	
Display	Temp.	–50.0 to 199.9°C	0.0 to 65.0°C	–50.0 to 199.9°C	−15.0 to 65.0°C	
range	Humid.	_	5.0 to 99.9%rh	_	5.0 to 99.9%rh	
Display	Temp.		± (0.3+ 1	I digit) °C		
accuracy	Humid.	_	± (0.3+ 1 digit) %rh	_	± (0.3+ 1 digit) %rh	
Height of d	character	100 mm	57 mm	57 mm	57 mm	
Input	Temp.	Pt100Ω	0 to 650 mVDC	Pt100Ω	-150 to 650 mVDC	
	Humid.	_	50 to 999 mVDC	_	50 to 999 mVDC	
Operating	ambient	0 to 50°C, less than 85%rh (no condensing)				
Power req	uirement		12 VDC (exclusive AC	C adapter is attached)		
Installation	1	Wall-moun	ıt/Pendant	Desktop (muli	ti-angle type)	
Dimensions		463(W)×213(H)×65(D)mm	350(W) ×165(H)×85(D)mm	360(W) ×202(H)×85(D)mm	
Weights		3.7 kg	3.5 kg	3.0 kg	3.7 kg	
Accessories		AC adapter, mount fitting x 4 pcs.		AC adapter		
Options		Alarm function (upper and	d lower limits setting), current	input (4 to 20 mA)		

^{*} Probes can be separately purchased

OPTIONAL ITEMS

No. 8091-10 Air temperature probe Model SR-56A-015 (Usable with SK-M460-T and SK-M350-T Indicators)

Input : Pt100Ω (JIS class B) 3-wire type

Cord length: 1.5 m: (available to extend up to 10 m at option)

Dimensions: 18(w) x 51.3(H) x 10.3(D)mm

Weight : approx. 50g



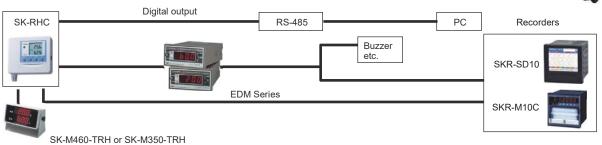
No. 7687-52 Dedicated AC Adapter (option)

Input voltage: 100 to 240VAC 50/60Hz

Cord length: 1.6m



Application Diagram



^{*} SK-M460-TRH and SK-M350-TRH are connectable with SK-RHC-V transmitter (0 to 1V)

No.7435-50 MULTIPLE MEASURING SYSTEM FOR TEMPERATURE AND HUMIDITY WITH PAPERLESS RECORDER MODEL SK-5RAD-MR



FEATURES

- This model consists of a sensor section based on the principle of an Assmann psychrometer and a paperless recorder
- Long term measurement with stability: use of Pt100 ohm sensor that eliminates aged deterioration, compared to electrical humidity sensor Simultaneous display of all four factors: dry bulb & wet bulb temperatures, relative humidity and dew point
- · Digital display with various functions such as trend display
- Using SD card to save measured values, the collected data can be used for data analysis and graphs with usage of a spread sheet software

SPECIFICATIONS

Model No. 7435-50 SK-5RAD-MR					
Elements		Dry bulb temperature	Wet bulb temperature	Relative humidity	Dew point temperature
Measuring ra	nge	5.0 to 50.0°C	5.0 to 50.0°C	_	_
Operating rar	nge	_	_	0.0 to 99.9%rh	–40.0 to 50.0°C
Measuring ad	curacy	±(0.1%rdg+0.2)°C	±(0.1%rdg+0.2)°C	_	_
Detecting ele	ment	Pt 100 Ω	Pt 100 Ω	_	_
Airflow speed	I		More th	an 3 m/s	
Display			5' 7" TFT LC	D touch panel	
Recording m	ethod		SD memory card (SD)/SDHC standard) (*1)	
Waterproof ra	ate		JIS C 092	0 IP65 (*2)	
Power require	ement	100 to	240 VAC±10%, 50/60 Hz C	Continuous operation: within 24	4 hours.
Dimensions	Recorder	1	50 (W) × 155 (H) × 186 (D) m	nm (protuberance not included	1)
Detector 80 (W) × 264 (H) × 110 (D) mm					
Weight		Recorder: approx. 1.0 kg Detector: approx. 1.5 kg			
Standard acc	essories	CD-ROM (various tools), tweezers, water supply bottle, hook for wall-mount, stand, protection cover, 20 wicks, fixture band, power cord (for 100 VAC), fixture for panel, packing for water protection x2			

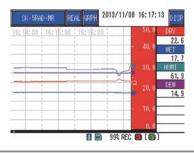
- * 1. SD memory card is not included in the set.
- 2. Only for the front of the recorder in use of packing for the panel mount

VARIOUS DISPLAY FUNCTIONS

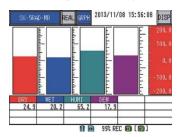
Digital Display



Trend Display (Horizontal)



Bar-graph Display



Trend Display (Vertical)



ASSMANN PSYCHROMETER MODEL SK-RHG

No. 7450-00 Mercury-filled dual tube glass thermometer type No. 7450-20 Alcohol-filled dual tube glass thermometer type



FEATURES

- · Can be used with both AC and DC Power supplies.
- Easy to fix thermometer to the main unit using a screw cap.
- . Use of the dedicated wick is no longer need to wrap the wet bulb with cotton gauze

SPECIFICATIONS

Measuring range : 0 to 50°C (division: 0.2°C)

Accuracy : ±0.2°C

Sensing elements : Mercury or Kerosene (Alcohol)

Length of thermometer : 30 cm

Speed of air flow : 3 m/s to 5 m/s

Power requirements : 3 VDC (D battery x 2) or AC adapter

Battery life : About 20 hours (continuously use at more than 3 m/s)

Outer dimensions : 80 (W) x 450 (H) x 110 (D) mm Weight : 0.74 kg (without batteries)

Standard accessories : Water supply bottle, Dustproof cover, Humidity conversion table,

Humidity conversion rule, Test result for thermometers, 20 wicks, 2 D batteries, AC adapter (100 to 240 VAC use), manual, Carrying case (possible to accommodate all accessories)

OPTIONS

· Spare glass thermometers: a set of 2 pcs. with test result

		Range	Min. div.	Accuracy
No. 7450-50	Mercury-filled Thermometer	0 to 50°C	0.2°C	±0.2°C
No. 7450-60	Mercury-filled Thermometer	−30 to 50°C	0.2°C	±0.2°C
No. 7450-90	Alcohol-filled thermometer	0 to 50°C	0.2°C	±0.2°C
No. 7450-92	Alcohol-filled thermometer	−30 to 50°C	0.5°C	±0.5°C

· Stand

No. 7450-30 Dedicated compact stand for SK-RHG

No. 7450-40 Tripod in general use for Assmann Psychrometer

Others

No. 7450-70 Spare wicks for SK-RHG (60 pcs. /box)
No. 7450-75 AC adapter (in 100 to 240 VAC use)

No. 7450-80 Humidity conversion rule





SIGMA II THERMOHYGROGRAPH



SPECIFICATIONS

Cat. No		No. 7210-00	No. 7211-00	No. 7215-00		
Model		NSII-Q	NSII-Q	NSII-S		
Measuring	Temperature	−15 to 40°C	−10 to 50°C	−15 to 40°C		
range	Humidity	0 to 100%rh	0 to 100%rh	0 to 100%rh		
Drum rotation	on	1-day, 7-day and 32-day cha	inged by change-over switch	1-day and 7-day changed by gear		
Clock		Quart	z type	Spring-wound type		
Sensing ele	ments	Aged bimetallic strip for temperature Human hair bundle for humidity				
Accuracy		±1°C (10 to 30°C), ±2°C (other range) for temperature ±3%rh (20 to 95%rh, 15 to 25°C), ±5%rh (other range) for humidity				
Min. gradua	tion	1°C for temperature, 1% for humidity				
Recording p	ens	Cartridge pens (violet)				
Power requi	irement	2 C mangane				
Battery life		1 year for continuous use				
Dimensions						
Weight		Approx. 3.1 kg		Approx. 3.5 kg		
Accessories				7-day chart (55 sheets/box), Test result, English manual		



Use an external fan for faster response and more accurate measurement. It is in combination with this fan that the maximum capability of measurement for temperature and humidity can be achieved.

The fan inhales fresh air into the instrument and makes the response of sensor faster, resulting in the detection of accurate data. It is effective, particularly in warehouses which are excluded from the open air, laboratories where ventilation is poor or air tight small space.

Cat. No.	7238-22
Model	Axial AC Fan
Power requirements	100 to 115 VAC ±10% 50/60 Hz
Power consumption	70/55 mA *
Revolution of fan	2700/3300 rpm *
Max. airflow	0.73/0.94 m³/min *
Max. static pressure	3.4/5 mmAq *

^{*}Figures in the left and the right of the slash show data when $\ensuremath{\mathsf{AC}}$ input frequency is 50 Hz and 60 Hz respectively.

SIGMA II THERMOGRAPH



SPECIFICATIONS

Cat. No.: No. 7230-00
Model: NSII-TQ
Measuring range: -15 to 40°C
Clock: Quartz type

1-day, 7-day and 32-day by change-over switch

Battery: C battery x 2

Battery life: 1 year for continuous use

Sensor: Aged bimetallic strip Accuracy: ±1°C (10 to 30°C)

±2°C (other range)

Chart graduation: 1°C

Recording pen: Cartridge pen (violet)

Dimensions: 336 (W) x 295 (H) x 148 (D) mm

Weight: Approx. 2.9 kg

Accessories: 7-day chart for 1-year use (55 sheets/box)

C manganese battery x 2,

English manual

SIGMA II HYGROGRAPH



SPECIFICATIONS

Cat. No.: No. 7234-00 Model: NSII-HQ

Measuring range: 0 to 100% for relative humidity

Clock: Quartz type

1-day, 7-day and 32-day by change-over switch

Battery: C battery x 2

Battery life: 1 year for continuous use

Sensor: Human hair bundle

Accuracy: ±3%rh (20 to 95%RH at 15 to 25°C)

±5%rh (other range)

Chart graduation: 1%

Recording pen: Cartridge pen (violet)

Dimensions: 336 (W) x 295 (H) x 148 (D) mm

Weight: Approx. 2.9 kg

Accessories: 7-day chart for 1-year use (55 sheets/box)

C manganese battery x 2,

English manual

SIGMA II BAROGRAPH



SPECIFICATIONS

Cat. No.: No. 7237- 00
Model: NSII-BQ
Measuring range: 940 to 1045 hPa
Clock: Quartz type

1-day, 7-day and 32-day by change-over switch

Battery: C battery x 2

Battery life: 1 year for continuous use

Sensor: Bellows
Temperature compensation:
Bimetal

Accuracy: ±1 hPa (950 to 1040 hPa)

±2 hPa (other range)

Chart graduation: 1 hPa

Recording pen: Cartridge pen (violet)

Dimensions: 336 (W) x 295 (H) x 148 (D) mm

Weight: Approx. 3.1 kg

Accessories: 7-day chart for 1-year use (55 sheets/box)

C manganese battery x 2,

English manual

No. 7008-00 THERMOHYGROGRAPH MODEL MINI-CUBE



SPECIFICATIONS

Measuring range: -15 to 40°C for temperature

5 to 100%rh for humidity

Accuracy: ±2°C (10 to 30°C) for temperature

±3°C (other range)

±5%rh (30 to 90%rh, 15 to 25°C) for humidity

±7%rh at other range

Min. graduation: 2°C for temperature

5%rh for humidity

Sensors: Aged bimetallic strip for temperature

Human hair bundle for relative humidity

Clock: Quartz type Drum rotation: 7 days

Power requirements AA battery x 1 pc.
Recording pens: Cartridge pens (violet)
Dimensions: 148 (W) x 190 (H) x 97 (D) mm

Weight: Approx. 1.6 kg

Accessories: 1 box of 7-day chart (55 sheets/box) for 1-year use

AA manganese battery x 1, English manual

No. 7200-00 SIGMA II REMOTE ONE-POINT THERMOGRAPH MODEL NSII-ES1



SPECIFICATIONS

Measuring range: -15 to 50°C
Accuracy: ±1°C
Min. graduation: 1°C

Sensor: Liquid in stainless steel capillary tube

Clock: Quartz type

Drum rotation: 7-day and 32-day by change-over switch

Power requirements C battery x 2 pcs.
Recording pen: Cartridge pen (violet)
Lead length: 5 m (vinyl coated)

Dimensions: 336 (W) x 295 (H) x 148 (D) mm

Weight: Approx. 3.6 kg

Accessories: 7-day chart (55 sheets/box) for 1-year use

C manganese battery x 2,

English manual

No. 7202-00 SIGMA II REMOTE TWO-POINT THERMOGRAPH MODEL NSII-ES2



SPECIFICATIONS

 $\begin{array}{ll} \text{Measuring range:} & -15 \text{ to } 50^{\circ}\text{C} \\ \text{Accuracy:} & \pm 1^{\circ}\text{C} \\ \text{Min. graduation:} & 1^{\circ}\text{C} \end{array}$

Sensor: Liquid in stainless steel capillary tube

Clock: Quartz type Drum rotation: 7 days

Power requirements C battery x 2 pcs.
Recording pen: Cartridge pens (violet)
Lead length: 5 m (vinyl coated)

Dimensions: 336 (W) x 295 (H) x 148 (D) mm

Weight: Approx. 4.2 kg

Accessories: 7-day chart (55 sheets/box) for 1-year use

C manganese battery x 2,

English manual

CONSUMABLES

Exclusive Charts for "SK" Brand Recorders

Recorder	Recording cycle	Cat. No.	Quantity	Remarks
No. 7210-00/7215-00	1-day	7210-60	400 sheets	C 241540
Thermohygrograph	7-day	7210-62	55 sheets	C 1681540
	32-day (*)	7210-84	55 sheets	NTH 321540
No. 7211-00	1-day	7211-60	400 sheets	
Thermohygrograph	7-day	7211-62	55 sheets	
	32-day	7211-64	55 sheets	
No. 7012-00	3-month	7012-60	1 roll	3L 1002050-III
Thermohygrograph	1-month	7012-70	1 roll	1L 1002050-III
No. 7230-00	1-day	7230-60	400 sheets	AT 241540
Thermograph	7-day	7230-62	55 sheets	AT 1681540
	32-day	7230-64	55 sheets	AT 321540
No. 7234-00	7 day	7234-62	55 sheets	AH 1680100
Hygrograph	7-day	7234-02	55 Sheets	AH 1000100
No. 7237-00	1-day	7237-60	400 sheets	NB 244045
Barograph	7-day	7237-62	55 sheets	AB 1684045
	32-day	7237-64	55 sheets	AB 324045
No. 7200-00	7 day	7200 62	EE ab acto	AR 140-1
Remote One-point Thermograph	7-day	7200-62	55 sheets	AR 140-1
No. 7202-00	7	7000.00	FF -ht-	AD 440.0
Remote Two-point Thermograph	7-day	7202-62	55 sheets	AR 140-2
No. 7005-00	7 1	7005.00	55 1	0400 5400\/040
MINI-STAR Thermohygrograph	7-day	7005-62	55 sheets	S168-5100X640
No. 7006-00/7006-10	7 -1	7000 00	FF -bt-	0400 4550
MINI-ALPHA Thermohygrograph	7-day	7006-62	55 sheets	S168-1550
No. 7008-00	7 -1	7000.00	FF -bt-	0400 5400 04540
MINI-CUBE Thermohygrograph	7-day	7008-62	55 sheets	S168-5100X1540

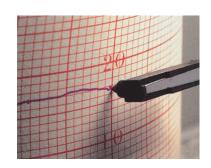
^{* 32-}day chart is not usable with No.7215-00 Thermohygrograph.

Consumables

Items	Cat. No.	Quantity	Remarks	Applicable recorder
Cartridge pen (violet)	7238-02	1 box	12 pcs./box	Recorders listed above
Cartridge pen (violet)	7238-04 (7210-90)	1 pc.	SK-051-079	Recorders listed above
Cartridge pen (red)	7238-06	1 box	12 pcs./box	Recorders listed above
Cartridge pen (red)	7238-08 (7210-92)	1 pc.	SK-051-079	Recorders listed above
Dustproof mesh cover	7238-20	1 pc.		"Sigma II" Series recorders
Axial fan	7238-22	1 pc.	100 to 115VAC±10% 50/60Hz	"Sigma II" Series recorders



















No. 7540-00 HAIR HYGROMETER WITH GLASS THERMOMETER

SPECIFICATIONS

Min. graduation:

Sensors: Human hair bundle for humidity Glass thermometer for temperature

Measuring range: 20 to 100%rh for humidity

-10 to 50°C for temperature

1%rh for humidity 2°C for temperature

±3%rh (40 to 80%rh, 15 to 25°C) Accuracy:

±5%rh (other range) ±2°C for temperature

Dimensions: 150 mm dia. x 40 (D) mm

Approx. 280 g Weight:

Accessories Test result, English manual

No. 7542-00 HYGROMETER WITH DIGITALTHERMOMETER

SPECIFICATIONS

Human hair bundle for humidity Sensors:

> Thermistor for temperature 20 to 100%rh for humidity

Measuring range: 0 to 50°C for temperature

Min. graduation: 2%rh for humidity

0.1°C for temperature

Accuracy: ±4%rh (40 to 80%rh, 15 to 25°C)

±7%rh (other range) ±1°C (0 to 40°C) ±2°C (other range)

Dimensions: 135 mm dia. x 33 (D) mm

Approx. 230 g Weight:

Bracket (160 mm dia. x 4 (D) mm), Accessories: AA battery x 2, English manual

No. 7562-00 HYGROTHERMOMETER MODEL PALMA II

SPECIFICATIONS

Sensors: Synthetic hair for humidity

Glass thermometer for temperature 20 to 99%rh for humidity Measuring range:

-10 to 50°C for temperature

Min. graduation: 1%rh for humidity

5°C for temperature

±4%rh (40 to 80%rh, 15 to 25°C) Accuracy:

±8%rh (other range)

Dimensions: 95 mm dia. x 18 (D) mm

Weight: Approx. 100 g Accessory English manual

No. 1013-00 THERMOHYGROMETER MODEL TH-300

SPECIFICATIONS

Sensors: Coil for humidity

Bimetallic strip for temperature

20 to 100%rh for humidity Measuring range:

-30 to 50°C for temperature

5%rh for humidity Min. graduation: 2°C for temperature

±5%rh (40 to 70%rh, 15 to 25°C) Accuracy:

±8%rh (other range)

±2°C for temperature

Dimensions: 285 (W) x 285 (H) x 35 (D) mm

Approx. 750 g Weight: Accessory English manual

No. 1074-00 DIGITAL THERMOHYGROMETER MODEL PC-5400TRH

SPECIFICATIONS

Accuracy:

Sensors: Electric resistance change type for humidity

Thermistor for temperature

Measuring range: 20.0 to 95.0%rh for humidity 0.0 to 50.0°C for temperature

±5%rh (40 to 70%rh, 20 to 30°C)

±8%rh (other than above) ±1.0°C (10 to 40°C)

±1.5°C (other range)

Dimensions: 225 (W) x 165 (H) x 25 (D) mm Approx. 480 g (includes batteries) Weight:

AA manganese battery (R6P) x 3, English manual Accessories:



No. 1518-00 WOODEN BASE PSYCHROMETER

SPECIFICATIONS

Measuring range: -30 to 50°C Min. graduation: 1°C Accuracy: Sensing element: Kerosene Materials (body): Wood

Dimensions: 79 (W) x 271 (H) x 29 (D) mm

Approx. 125 g Weight: English manual Accessory:



No. 1519-00 **PSYCHROMETER MODEL SK-1**

SPECIFICATIONS

Measuring range: -10 to 50°C Min. graduation: 1°C Accuracy: ±1°C Sensing element: Kerosene Materials (body): ABS resin

Dimensions: 104 (W) x 260 (H) x 28 (D) mm

Approx. 110 g Weight:

Accessory: English manual



No. 1740-50 DIGITAL MIN-MAX THERMOMETER MODEL PC-3500

SPECIFICATIONS

Accuracy:

Measuring range: -50 to 70°C (External Sensor)

-5 to 50°C (Internal Sensor) ±1°C (0 to 40°C)

±2°C (other range)

Drip-proof rate (probe): Conforms to JIS C 0920 IP:X4

Cord length: 3 m

Dimensions: 67 (W) x 65 (H) x 20 (D) mm Weight: Approx. 50 g (including a battery)

Button battery (LR44) x 1, external probe, English manual Accessories



No. 7308-00 MIN-MAX THERMOMETER WITH HYGROMETER

SPECIFICATIONS

Measuring range: Temperature: -30 to 50°C

Humidity: 25 to 95%rh

Temperature: 2°C Min. graduation:

Humidity: 5%

Accuracy: Temperature: ±2°C

±5%rh (30 to 80%rh, 15 to 25°C) Humidity:

±8%rh (other range)

Materials: ABS resin Body:

Window: Acrylic resin

Dimensions: 180 (W) x 180 (H) x 35 (D) mm

Weight:



No. 1069-00 DIGITAL THERMOHYGROMETER MODEL PC-7700II

SPECIFICATIONS

Measuring range: Temperature: -10 to 50°C Humidity: 20 to 95%rh

Temperature: ±1°C (10 to 40°C) Accuracy: ±2°C (other range)

Humidity: ±5%rh (15 to 35°C, 40 to 70%rh)

±7%rh (other range)

Sensing elements Temperature: Thermistor

Humidity: High polymer resistance change type sensor

150 (W) x 85 (H) x 17 (D) mm Dimensions: Weight: 135 g (including a battery) AAA battery x 1, English manual Accessories:



No. 1747-50 WATERPROOF DIGITAL THERMOMETER MODEL PC-9215II

SPECIFICATIONS

Measuring range: -30 to 150°C

Resolution: 0.1°C

±1°C (0 to 140°C) Accuracy:

±2°C (other range) Drip-proof rate: Conforms to JIS C 0920 IPX5

Materials: Body/sheath: ABS resin Sensing stem: SUS304

Dimensions: Display section: 47 (W) x 20 (T) x 176 (L) mm (including sensing part)

Sensing part: 3.5 dia. x 116 (L) mm

25 g (including a battery) Weight:

No. 8012-00 PRECISION DIGITAL THERMOMETER MODEL SK-810PT

FEATURES

• High resolution

Displays temperature readings with 0.01°C in the range of -100 to 360°C.

• Excellent accuracy with PT100 sensor

The sensing element is a platinum resistance temperature detector (Pt100, 4-wire). High accuracy of ± 0.16 °C in the whole range is maintained.

Various calculation function

The maximum (MAX), minimum (MIN), relative (REL) and moving average (AVG) values can be displayed.

• High waterproofness (IPX7 compliant)

The main unit can be touched by wet hands or splashed with water without risk when the sensor is securely connected.

· Runs for up to 1000 operating hours

1000 hour-measurement is available with four AAA alkaline batteries.

Functional, durable and stylish design

- · The display uses large numeric characters.
- · The body tilts at about seven degrees when placed on a desktop.
- · The wall-mount hook can be pulled out when necessary, so the design remains flat.
- · Damage due to dropping is minimized by the protective rubber around the case.



Front view



Side view



Rear View

SPECIFICATIONS (MAIN UNIT)

Cat. No.	No.8012-00
Model	SK-810PT
Display range	-105.00 to 365.00°C
Resolution	0.01°C
Accuracy (Main unit)	±(0.05+1 digit)°C at 23°C±5°C
Temperature coefficient	±(0.002%rdg+0.008)°C/°C at other than 23°C ±5°C
Waterproof property	Conforming IPX7 (when probe is connected)
Main functions	Max. value (MAX), Min. value (MIN), Measurement of variation (REL), Moving average (AVG)
Power	AAA alkaline battery x 4 pcs.
Battery life	Approx. 1000 hours in use of alkaline batteries
Materials	ABS resin
Dimensions	70(W) × 169(H) × 42(D) mm (exclusive of connector)
Weight	Approx. 220 g (inclusive of batteries)
Accessories	AAA alkaline battery x 4 pcs, vinyl cover, neck strap, English manual

OPTIONAL PROBES

No. 8012-30 S810PT-30 Lower temperature probe (Grip)

Ø3.2 x 250 mm (round end), Cord length 1.5 m

No. 8012-50 S810PT-50 Lower temperature probe (Sleeve) $\emptyset 3.2 \times 250$ mm round end w/1.5 m cord

No. 8012-32 S810PT-32 Medium temperature probe (grip)

Ø3.2 x 250 mm round end w/1.5 m cord

No. 8012-52 S810PT-52 Medium temperature probe (Sleeve)

Ø3.2 x 250 mm round end w/1.5 m cord

No. 8012-34 S810PT-34 High temperature probe (grip)

Ø3.2 x 300 mm round end w/1.5 m cord

No. 8012-54 S810PT-54 High temperature probe (Sleeve)

Ø3.2 x 300 mm round end w/1.5m cord

No. 8012-10 S810PT-10 General purpose probe

Ø3.2 x 150 mm round end w/1.0 m cord

OPTIONAL ITEMS

No. 8012-90 Carrying case

Demensions: 470(W) x 153(H) x 168(D) mm

Weight: 1.3 kg

Accessories: Shoulder belt, clip for holding probe

No. 8012-92 Clip for holding probe

Material: SUS304 stainless steel

Weight: 60 g



No. 8012-90 Carrying case



No. 8012-92 Clip

SPECIFICATIONS (PROBES)

Dange	For lower temperature For medium temperature For high temperature Genera					General purpose type	
Range		•	For medium temperature				General purpose type
Handhold shape	Grip	Sleeve	Grip	Sleeve	Grip	Sleeve	Grip
Cat. No.	8012-30	8012-50	8012-32	8012-52	8012-34	8012-54	8012-10
Model	S810PT-30	S810PT-50	S810PT-32	S810PT-52	S810PT-34	S810PT-54	S810PT-10
Range	-100.00 to	50.00°C	0.00 to 2	200.00°C	150.00 to	360.00°C	-100.00 to 200.00°C
Accuracy			±0.1	0°C			±(0.15 + 0.002 t)°C t =absolute temperature
Waterproof Property	IPX7 (when connected with main unit)		IPX7 (when connected with main unit)		IPX7 (when connected with main unit)		IPX7 (when connected with main unit)
Element				Pt100 (4	wires)		
Sensing part			SUS	316			SUS304
Handhold			SUS	304			Phenol resin
Cord			Silicone	coating			Flourine resin coating
Sensing part		Ø3.2×250 m	m round end		Ø3.2×300 mi	m round end	Ø3.2 x 150 mm round end
Handhold	Ø18×107 mm	Ø8×40 mm	Ø18×107 mm	Ø8×40 mm	Ø18×107 mm	Ø8×40 mm	Ø15 x 100 mm
Cord length	1.5 m						1 m
Weight	208 g	65 g	208 g	65 g	210 g	67 g	80 g
Accessory	Instruction Test resul		Instruction Test result		Instruction Test result		Instruction manual Test result (at 0°C)

SK-270WP SERIES WATERPROOF DIGITAL THERMOMETERS

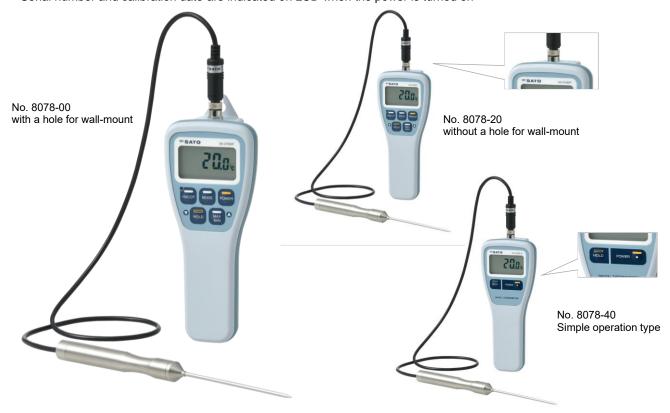
NO. 8078-00 MODEL SK-270WP (WITH A HOLE FOR WALL-MOUNT)

NO. 8078-20 MODEL SK-270WP

NO. 8078-40 MODEL SK-270WP-K (SIMPLE OPERATION TYPE)

FEATURES

- Waterproof/dust-proof construction is conformed to IP67 rated
 Suitable to the site that hygiene is specially required
- Suitable to the site that hygiene is specially required
 Available to wash the unit in running water when a probe is installed to it and wipe it with alcohol.
- HACCP function (3 different temperature and heating time can be set)
- Serial number and calibration date are indicated on LCD when the power is turned on



SPECIFICATIONS (MAIN UNITS)

Model	SK-2	70WP	SK-270WP-K		
Cat. No.	8078-00	8078-20	8078-40		
Hole for wall-mount	✓		×		
Display range		−50.0 to 300.0°C			
Display accuracy (When operation ambient is 0 to 40°C)	± (0.1 + 1 digit)°C (-40.0 to ±0.5°C (other than above)	200.0°C),			
Resolution	0.1°C				
Display sampling	About 0.5 to 1 sec. When the temperature changes a lot, the sampling time is 0.5 sec. When it is calm, it automatically changes to 1 sec.				
Dustproof / Waterproof property	Conforming IP67 (when pro	be is connected)			
	Display of serial number and calibration date, Hold, Auto power-off, Low battery mark				
Functions	Max value (MAX), Min. valu (Temp./time), Buzzer (about				
Power requirements	AAA alkaline battery x 2 pcs				
Dattam, life	About 1000 hours at normal measurement				
Battery life	About 500 hours when buzz				
Materials Body: Polycarbonate resin, Dis		Display section/key operation	section: PET resin		
Dimensions	70(W) × 171(H) × 40(D) mm (exclusive of protrusion)				
Weight	Approx. 155 g (inclusive of batteries)				
Accessories	S270WP-01 standard probe, AAA alkaline battery x 2 pcs., vinyl cover, neck strap, English manual				

OPTIONAL PROBES



No. 8079-01 S270WP-01 Standard probe

Sensing stem: Ø3 × 100 mm



No. 8079-02 S270WP-02 Penetration probe

Sensing stem: Ø3 × 200 mm



No. 8079-03 S270WP-03 Long stem probe

Sensing stem: Ø3 × 400 mm



Sensing stem: Ø2 × 150 mm



No. 8079-05 S270WP-05 Tapered stem probe

Sensing stem: Ø2 × 45 mm + Ø3 × 55 mm



No. 8079-06 S270WP-06 Low temperature probe

Sensing stem: Ø3 × 100 mm



No. 8079-21 S270WP-21 Sleeve type probe

Sensing stem: Ø3 × 420 mm

No. 8079-31 S270WP-31 Immersion type probe

Sensing part: Ø17 × 90 mm



No. 8079-41 S270WP-41 Surface temperature probe

Sensing part: Ø9mm

SPECIFICATIONS (PROBES)

	Cat. No	D.	8079-01	8079-02	8079-03	8079-04	8079-05	8079-06	8079-21	8079-31	8079-41
		Model	S270WP-01	S270WP-02	S270WP-03	S270WP-04	S270WP-05	S270WP-06	S270WP-21	S270WP-31	S270WP-41
	Measuring range			-4	40.0 to 250.0°	С		-40.0 to 40.0°C	-40.0 to 200.0°C	-40.0 to 105.0°C	25.0 to 200.0°C
	-40.0 to	-30.1°C						±1.3°C			
	-30.0 to	-20.1°C	±1.5°C					±1.0°C	±1.	±1.5°C	
accuracy	-20.0 to	-10.0°C						±0.5°C			
accı	-9.9 to	40.0°C						±0.3°C			±0.8°C
ring	40.1 to -	105.0°C			±0.5°C				±0.	6°C	±1.0°C
Measuring	105.1 to	150.0°C			±0.7°C				±0.7°C		±1.5°C
Me	150.1 to	199.9°C			±1.0°C				±1.0°C		±2.0°C
	200.0 to	250.0°C	±1.5°C								
10/					Compliant	to JIS C 0920	IPX7 (When a	n a main unit is connected)			
VV	aterproof	property		* Protected against effects of temporary immersion					normal temperatu	re	
	Sensing	element					The	ermistor			
		Sensing stem		SUS304 SUS316				SUS	3304	SUS303	Cupper + Ni plating
Mat	erials	Grip				SUS30	03				Polyacetal resin
		Cord				PVC				Silicone	
S	Shape of s	tem end	end Pointed end Round end Pointed			Pointed en	d	Round end	Cylindrical shape	Flat end	
		Grip	Ø15 x 120 mm						Ø7 x 55 mm		Ø12 x 105 mm
Dim	Dimensions Cord length 0.7 m						1.0 m	5 m	0.8 m		
	Weight 123 g 126 g 130 g 123 g 123 g		123 g	123 g	50 g	240 g	50g				
Accessory Test result, English instruction manual											

^{*} Cord length can be extended up to 5 m at option.

No. 8080-05 WATERPROOF DIGITAL THERMOMETER MODEL SK-1260



FEATURES

- Both inputs of thermistors and K thermocouples provided from us are available.
- Measured data can be stored in memory with a simple operation.
 - * The memory can store up to 180 data in the manual mode.
 - * The memory can store up to 120 data in the automatic mode.
- Upper and lower limit alarm can be set.

When the temperature reaches the set upper or lower limit, the warning buzzer sounds and "V" flashes on the panel.

Waterproof property: Conforms to JIS C 0920 IP X4

No adverse effects of water splashes from any direction.

- Various kinds of optional probes for a wide variety of applications.
- Print function

Temperature data stored in memory can be printed on an optional printer.

SPECIFICATIONS

Model	Waterproof Digital Thermometer SK-1260			
Measuring range	Thermistor : -30.0 to 199.9°C			
	K Thermocouple : −99.9 to 1250°C			
Resolution	Thermistor : 0.1°C at −30.0 to 150.0°C			
	K Thermocouple : 0.1°C at −99.9 to 199.9°C			
	: 1°C at 200°C to 1250°C			
Accuracy	Thermistor Main unit : ±0.2°C			
	Sensor : ±(0.1% rdg + 0.3)°C at 0.0 to 150.0°C			
	: ±(0.2% rdg + 0.4)°C at other than above			
	K Thermocouple Main unit : ±(0.1% rdg + 0.3)°C at 0.0 to 199.9°C : ±0.5°C at -99.9 to -0.1°C			
	: ±0.5 C at -99.9 to -0.1 C : ±(0.2% rdg + 1)°C at 200 to 1250°C			
	Sensor : ±1.5°C at -40.0 to 375°C			
	(JIS class 1) : ±0.004 t at 375 to 1000°C			
Operational functions	MAX: maximum memory data, MIN: minimum memory data, HOLD: data hold, ALARM: upper and lower limit			
	setting, REL: measurement of variation, TIME: time settings, REC/PRINT: record and print function, Auto Power-off			
Waterproof property	Conforming to IP X4 rated			
Sampling time	1 sec.			
Sensing elements	Thermistor / K Thermocouple			
Power requirement	6 VDC (AAA battery x 4) or AC adapter (option)			
Battery life	About 180 hours continuous with manganese batteries			
	About 280 hours continuous with alkaline batteries			
Materials	Main unit : ABS resin			
	Probe : Sensing stem: Stainless (SUS304)			
	Handle Polyphenylene Oxide			
Dimensions	Main unit: 66 (W) x 175 (H) x 25 (D) mm			
Weight	Approx. 200 g (main body including batteries)			
Standard accessories	Standard probe (SK-S100K), soft pouch with neck strap, 4 AAA manganese batteries, English manual			

OPTIONAL ITEMS

No. 8080-10 DEDICATED PRINTER

SPECIFICATIONS

Power requirements : AC adapter

Printing method : Direct thermal printing

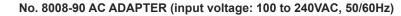
Dimensions/Weight : 145 (W) x 58 (H) x 135 (D) mm / 380 g

Standard accessories: Printing paper 1 roll (about 28 m), AC cable, Communication cable,

Connection cable, D-Sub connector pin, English manual

No. 8009-82 PRINTING PAPER

Thermal paper: 10 rolls/pack





K TYPE THERMOCOUPLE PROBES



No. 8080-20 SK-S100K Standard probe

Range: -100 to 300°C (class 1)

Ø2.3 x 150 mm (SUS316 flat-end), Cord length: 1.1 m



No. 8080-24 SK-S101K General purpose probe

Range: -100 to 700°C (class 1)

Ø3.2 x 250 mm (SUS316 flat-end), Cord length: 1.1 m



No. 8080-28 SK-S103K Asphalt temperature probe (w/ stainless steel grip)

Range: 0 to 300°C (class 2)

Ø5 x 250 mm (SUS304 pointed end), Heat resist cord length: 1.1 m



No. 8080-32 SK-S105K Duplex wire probe (stainless steel shield wire)

Range: -100 to 300°C (class 2)

Ø0.65 mm x 10 m (round-end), Cord length: 0.3 m



Range: 0 to 300°C (class 2)

Ø8.0 x 900 mm (SUS304 pointed end), Cord length: 1.1 m



No. 8080-58 SK-S305K surface temperature probe Tilting (in 90°) type

Range: -30 to 500°C (class 2)

Sensing part Ø17 x 36 mm, Cord length: 1.1 m



No. 8080-62 SK-S307K Surface temperature probe

Range: -30 to 400°C (class 2)

Sensing part Ø17 x 25 mm, Cord length: 1.1 m

THERMISTOR PROBES



No. 8080-80 SK-S100T Standard probe

Range: -30.0 to 199.9°C

Ø2 x 100 mm (SUS304 round-end), Cord length: 1.1m



No. 8080-84 SK-S101WT Waterproof type penetration probe

Range: -30.0 to 199.9°C

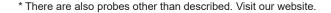
Ø3 x 120 mm (SUS304 pointed end), Cord length: 1.1 m



No. 8080-90 SK-S201T Air temperature probe

Range: -30.0 to 150.0°C

Ø5 x 100 mm (SUS304), Cord length: 1.1 m





No. 8080-22 SK-S100WK Waterproof type penetration probe

Range: -100 to 300°C (class 1)

Ø2.3 x 150 mm (SUS316 flat-end), Cord length 1.1 m



No. 8080-26 SK-S102K High temperature probe

Range: 0 to 800°C (class 1),

Ø4.8 x 500 mm (SUS316 flat-end), Cord length 1.1 m



No. 8080-30 SK-S104K High sensitivity probe

Range: -100 to 300°C (class 2)

Ø1 x 1000 mm (SUS316 flat-end), Cord length:1.1 m



No. 8080-36 SK-S107K High temperature probe

Range: 0 to 1000°C (class 1)

Ø4.8 x 1000 mm (Inconel flat-end), Cord length: 1.1m (Option: Range: 0 to 1250°C, Ø8.0 x 1000 mm)



No. 8080-50 SK-S301K Surface temperature probe

Range: 0 to 600°C (class 2)

Sensing part: Ø25 x 40 mm w/ 1.1 m cord



No. 8080-60 SK-S306K Point surface temperature probe

Range: -30 to 250°C (class 2)

Sensing part Ø10 x 12 mm, Cord length: 1.1 m



No. 8080-64 SK-S308K L shape type surface temperature probe

Range: -30 to 600°C (class 2)

Sensing part Ø17 x 30 mm, Cord length: 1.1 m



No. 8080-82 SK-S101T Penetration probe

Range: -30.0 to 199.9°C

Ø3 x 100 mm (SUS304 pointed end), Cord length: 1.1 m



No. 8080-86 SK-S102T Water temperature probe

Range: -30.0 to 100.0°C

Ø17 x 110 mm (SUS304), Cord length: 10 m

Accuracy of Thermocouple

±1.5°C (-40 to +375°C) Class 1:

±0.004 |t| (375 to 1000°C)

±2.5°C (-40 to +333°C) ±0.0075 |t| (333 to 1200°C)

^{* |}t| is an absolute value of temperature in Celsius.

No. 8191-00 4-CHANNEL DATALOGGER MODEL SK-L400T



FEATURES

- · Simultaneously measures temperature at four locations
- · Logged data can be copied to SD card
- · Manual logging, preset logging, memo function available
- Upper and lower limit alarm can be set for each channel
- · Display of various calculation results
- Data analysis software is provided as a standard accessory
- Backlight function



SPECIFICATIONS

Display range	-202.0 to 1372°C
Resolution	0.1°C (-202.0 to 999.9°C) 1°C (other than above)
Accuracy	±(0.3%rdg + 1)°C at 23°C ±5°C * Measuring accuracy is different depending on the probe connected
Display sampling	Approx. 1 second
Temperature coefficient	±(0.01%rdg + 0.1°C)/ °C
Sensing element	K thermocouple Connecter: ASTM (former ANSI) miniature connector for thermocouple
Logging interval	In seconds (1, 2, 5, 10, 15, 30) and in minutes (1, 2, 5, 10, 15, 30, 60, 90)
Operating ambient	0 to 50°C, lower than 85%rh (no condensing)
Storage ambient	0 to 50°C, lower than 85%rh (no condensing)
Power requirement	4 AA alkaline batteries or 4 AA nickel hydrogen chargeable batteries, exclusive AC adapter (option)
Battery life	Approx. 500 hours In use of alkaline batteries under room temperature at 1-min. interval (backlight: OFF, display: OFF)
Weights (approx.)	420 g (including batteries)
Dimensions	Approx. 158 (W) × 106 (H) × 40 (D) mm
Material	ABS resin
Accessories	4 AA alkaline battiries, SD card, CD-ROM for data analysis software, carrying case, English manual

OPTIONAL ITEMS

No. 8191-90 AC adapter Model AD-09650-2 (in use of 100 to 240 VAC)

No. 8191-92 Waterproof case for outdoor installation

Minimum system requirements

OS : Windows10 (32-bit/64-bit)

Windows 8/8.1 (32-bit/64-bit) Windows 7 (32-bit/64-bit) Windows XP (SP3 or later)

CPU : Capable of properly running one of the above OSs

Memory : Capable of properly running one of the above Oss

(Recommendation):

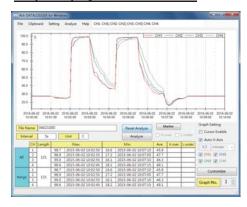
Windows XP : 512MB or more Windows 7/8/8.1/10 : 2GB or more

Hard disk drive : 150MB or more free space

Internet environment: NET Framework 3.5 being installed.

* When .NET Framework 3.5 is not activated, install it via internet at installation of this software.

Graph display on the PC Screen



^{*} Probes are not included in the main unit (See page 26 for the optional probes)

JUMBO LCD DIGITAL THERMOMETERS



SPECIFICATIONS

Model	SK-1110	SK-1120		
Cat. No.	8014-03	8014-04		
Number of channels	1 channel	2 channels		
Display range	−73.3 to 1371.0°C	−203.3 to 1368°C		
Measuring range	−50 to 1300°C (depending	on the probe connected)		
Accuracy (main body)	±(0.3%rdg + 1)°C (0.1 to 1000.0°C) ±(0.5%rdg + 1)°C (-50 to 0.0, 1001.0 to 1300.0°C)	±(0.3%rdg + 1)°C (0.1 to 1000°C) ±(0.5%rdg + 1)°C (-50 to 0.0, 1001 to 1300°C) When the resolution is 1°C, deviation increases by 1 digit in addition to the above		
Functions	MAX/ MIN: maximum/minimum value display AVG: average value HOLD: data hold OFFSET: offset value Auto power-off (available to release) Memory function (max. 150 data)	MAX/ MIN: maximum/minimum value display		
Resolution	0.1°C	0.1°C/1°C (Automatic resolution switching)		
Sampling time	About 0	.5 sec.		
Sensing element	Type K thermocouple, Conne	ctor: ANSI standard (yellow)		
Operating ambient	Temperature: Humidity: less than 70			
Power requirements	6 AAA manganese batteries	6 AAA alkaline batteries		
Battery life	About 110 hours continuous	About 80 hours continuous (Backlight OFF)		
Material	Main unit: ABS resin Probe: PVC resin Sensor cable: PVC resin			
Dimensions	Main unit: 72(W) x 151(H) x 35(D) mm			
Weight	approx. 240 g (including batteries)	approx. 255 g (including batteries)		
Standard accessories	AAA manganese battery (P03) x 6 pcs., vinyl cover, English manual	AAA alkaline battery (LR03) x 6 pcs., vinyl cover, English manual		

Refer to page 26 for the optional probes.

OPTIONAL PROBES (TYPE K THERMOCOUPLES)



No. 8014-30 SK-K010 Standard probe

Range: -50 to 300° C (class 1), Ø2.3 x 150 mm (point-end) Cord Length: 0.75 m



No. 8250-50 MC-K7100 General purpose probe

Range: -100 to 300° C (class 1), Ø2.3 x 150 mm (flat-end) Cord length: 1.5 m



No. 8250-54 MC-K7102 Middle/High temperature probe

Range: 0 to 800°C (class 1), Ø4.8 x 500 mm (flat-end) Cord length: 1.5 m



No. 8250-57 MC-K7105 Duplex wire probe (Stainless steel shield wire)

Range: -100 to 300° C (class 2), Ø0.65 mm x 10 m (round-end) Cord length: 0.3 m



No. 8250-67 MC-K7108 Compost temperature probe

Range: 0 to 300°C (class 2), Ø8 x 900 mm (point-end) Cord length: 1.5 m



No. 8250-60 MC-K7301 Surface temperature probe

Range: 0 to 600°C (class 2), Ø25 x 40 mm Cord length: 1.5 m



No. 8080-64 MC-K7307 Surface temperature probe

Range: -30 to 400° C (class 2), Sensing part Ø17 x 25 mm Cord length: 1.5 m



No. 8250-70 MC-K7500 Water temperature probe

Range: -30 to 100° C (class 2), Ø17 x 132 mm Cord length: 10 m



No. 8250-75 MC-K7505 Air temperature probe

Range: -20 to 60°C (class 2), 18(W) x 51.3(H) x 10.3(D) mm Cord length: 3 m (vinyl-covered wire Ø0.32 mm)

* Other optional probes are available. Visit our website.



No. 8014-31 SK-K020 Quick response probe

Range: -50 to 300° C (class 1), \emptyset 1.0 x 100 mm (flat-end) Cord Length: 0.75 m



No. 8250-52 MC-K7101 General purpose probe

Range: -100 to 700° C (class 1), Ø3.2 x 250 mm (flat-end) Cord length: 1.5 m



No. 8250-56 MC-K7103 Asphalt temperature probe (w/ stainless steel grip)

Range: 0 to 300°C (class 2), Ø5 x 250 mm (point-end) Cord (heat resistance type) length: 1.5 m



No. 8250-58 MC-K7106 Asphalt temperature probe (PBT resin grip)

Range: 0 to 300°C (class 2), Ø5 x 250 mm (point-end) Cord length: 1.5 m



No. 8250-68 MC-K7109 Asphalt temperature probe

Range: 0 to 300°C (class 2), \emptyset 5 x 250 mm (point-end) Cord length: 1.5 m



No. 8250-63 MC-K7304 Surface temperature probe (Mount on flat surface with screws)

Range: 0 to 300°C (class 2), 14 x 17 x (t)0.6 mm

Cord length: 3 m



No. 8080-66 MC-K7308 L shape type surface temperature probe

Range: -30 to 600°C (class 2), Sensing part Ø17 x 30 mm

Cord length: 1.5 m



No. 8250-74 MC-K7504 Waterproof temperature probe (Waterproof property: IPX7)

Range: -50 to 200°C (class 2), Ø5 x 20 mm (SUS430) Cord length: 3 m (Teflon-covered wire Ø0.65 mm)

Accuracy of Thermocouple

Class 1: ±1.5°C (-40 to 375°C)

±0.004 |t| (375 to 1000°C)

Class 2: ±2.5°C (-40 to 333°C)

±0.0075 |t| (333 to 1200°C)

 $^{^{\}star}$ |t| is an absolute value of temperature in Celsius.

No. 8050-00 WALL-MOUNT WATERPROOF DIGITAL THERMOMETER MODEL SK-100WP



SPECIFICATIONS

Display range : -12.0 to 112.0°C

Measuring range : Depends on the probe connected

Resolution : 0.1°C

Sampling time : Approx. 10 sec.

Waterproof property : JIS C 0920 IP X7 rated (When probe is

connected)

Operation ambient : 0 to 50°C

Storage ambient : -10 to 50°C

Power requirement : AAA battery x 4 pcs.

Power requirement : AAA battery x 4 pcs.

Battery life : Approx. 1 year continuous (use of alkaline

batteries)
Dimensions : 122(W) x 85(H) x 30(D)mm
Weight : 205 g (including batteries)

Accessories : 4 AAA manganese batteries, English manual

No.8051-00 STANDARD PROBE MODEL S100WP-01

Measuring range : -10.0 to 110.0°C

 $\begin{array}{ll} \mbox{Accuracy} & : \pm 1 \mbox{°C} \\ \mbox{Sensing element} & : \mbox{Thermistor} \\ \mbox{Waterproof property} & : \mbox{IP X7 rated} \\ \end{array}$

Dimensions : Sensing part: Ø5 x 500 mm (L) (round-end)

Grip: Ø12.5 x 65 mm

Cord length : 1.5 m (available to lengthen the cord by order)

Weight : Approx. 90 g

Accessories : Clip for holding thermometer, English manual



No. 8312-00 WBGT HEAT STRESS MONITOR MODEL SK-170GT



SPECIFICATIONS

Measuring range: Temp.: 0.0 to 50.0°C, Globe temp.: 0.0 to 80.0°C

WBGT Index: 0.0 to 50.0°C, Humid.: 10.0 to 95.0%rh

Resolution: Temp., Globe temp., WBGT Index: 0.1°C

Humidity: 0.1%rh

Accuracy: Temp.: ±0.6°C

Globe temp.: ±1.2°C (20.0 to 60.0°C), ±2°C (other range)

WBGT Index: ± 2.0°C

Humidity.: $\pm 3.0\%$ rh (30.0 to 90.0%rh, 20 to 40°C),

±5.0%rh (other range)

Sampling time: 2 sec.

Alarm setting range: in WBGT 20.0 to 49.9°C by 0.1°C step Wind speed setting range: 0.1 to 3.0m/s in 0.1m/s step Power requirement: 9VDC battery 6F22 (006P) x 1 pc.

Battery life: Approx. 600 hours continuous (without alarm operation)

Sound volume: 75dB

Operation ambient: 0 to 50° C, lower than 95%rh (no condensing) Dimensions: 71(W) x 275(H) x 30(D)mm (excluding globe)

Globe: 60mm dia. : 250g (including battery)

Weight: 250g (including battery)
Accessories: 9VDC battery 6F22 (006P) x 1 pc., carrying case,

English manual.

OPTIONAL ITEMS

No. 8310-20 Shield Plate from Radiant

Installing this shield, temperature/humidity detection section and the case of the main unit can be protected from radiant.
For accurate measurement, this shield is useful.
Use this shield together with the tripod model M45.



No. 8310-90 Tripod Model ZF-400WSH

SPECIFICATIONS

Total height: 1550 mm
Weight: 1280 g
Accessory: carrying case



No. 8269-00 WATERPROOF INFRARED THERMOMETER WITH CIRCLE LASER MARKER MODEL SK-8950



FEATURES

- Waterproof/dustproof rate: IP54 (can be operated even with wet hands)
- Non-contact, sanitary and safety measurement
- Various functions (Max. Min. AVG. DIF. Alarm)
- Circular laser marker surrounds measurement area
- Settable emissivity between 0.10 to 1.00 with 0.01 step

SPECIFICATIONS

Measuring range -60 to 550°C

Accuracy Either ±2°C or ±2%rdg which is larger (0.0 to 550°C)

± (2°C + 5%rdg) (other range)

(where operating ambient is $23\pm3^{\circ}$ C, emissivity (ϵ) = 0.95)

Resolution 0.1°C

Emissivity Settable between 0.10 and 1.00 in 0.01 step Distance to spot ratio (D:S): approx. 12:1 (D: Distance, S: Spot size)

Laser Marker Red circular laser (Class II laser product with PSC mark)

Sampling time Approx. 1 second (90% response)

0 to 50°C for temperature Operating ambient

less than 85%rh for humidity (no condensing)

Power requirement 2 AAA alkaline batteries (LR03)

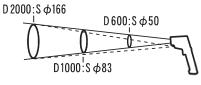
Functions Alarm, MAX (Maximum temperature value), MIN (Minimum

temperature value), AVG (Average temperature value), DIF (Difference between max. and min. temperature values),

Backlight, Auto power-off 42(W) x 143(H) x 80(D) mm

Dimensions Weight Approx. 196 g (including batteries)

Accessories : Neck strap, AAA alkaline battery x 2, English manual



Unit: mm

Measurement area Circular laser

No. 8268-00 LASER MARKER INFRARED THERMOMETER MODEL SK-8300



FEATURES

- A wide range of temperature from -30 to 1550°C
- Emissivity can be set in increment of 0.01 within the range of 0.10 and 1.00
- The backlit LCD facilitates reading even in dark places
- Various functions
- Continuous measurement without holding the trigger down

SPECIFICATIONS

Measuring range -30 to 1550°C

Accuracy ±3°C (-30.0 to -20.1°C) ±2°C (-20.0 to 100.0°C)

±2%rdg (other range)

(operating ambient 23±5°C, ε = 0.95) Resolution 0.1°C

Emissivity Settable between 0.10 and 1.00 in 0.01 step

Distance to spot size (D:S)

Laser Marker Class II laser product with PSC mark

Wavelength: 650 mm Output: less than 1 mW

Approx. 0.5 sec. (90% response) Sampling time

Operating ambient 0 to 50°C, less than 85%rh (no condensing)

9VDC (6F22) battery x 1 Power requirement Backlight ON/OFF, Laser marker ON/OFF Functions

Auto power-off, HOLD Dimensions

51(W) x 200(H) x 166(D) mm Weight Approx. 280 g (including battery)

: Carrying case, hand strap, 6F22 battery x 1, English manual Accessories

No. 8260-00 LASER MARKER INFRARED THERMOMETER MODEL SK-8700



FEATURES

- The backlit LCD facilitates reading even in dark places
- Emissivity is fixed at 0.95
- · Laser marker is switchable in ON and OFF
- Temperature unit Celsius (°C) and Fahrenheit (°F) is selectable

SPECIFICATIONS

Measuring range : -20 to 420°C/0 to 786°F Accuracy (at 23°C±5°C) : ±2°C (-20 to 100°C) ±2%rdg (other range)

(operating ambient 23±5°C)

Resolution : 1°C/1°F Emissivity : 0.95 (fixed) Distance to spot size (D:S): 8:1

Laser sighting : 1 point / class II laser (less than 1 mW of power)

Sampling time : Approx. 0.5 sec.

Operating ambient : 0 to 50°C, less than 80%RH (no condensing)

Power requirement : 9VDC (6F22) battery x 1

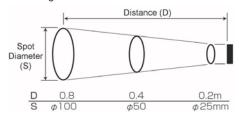
Functions : °C/°F selectable, Backlight ON/OFF, Laser marker ON/OFF

Auto power-off

Dimensions : 41.5(W) x 160(H) x 65(D) mm Weight : Approx. 140 g (including battery)

Accessories : Soft pouch, vinyl cover, lens cap, hand strap, 6F22 battery x 1

English manual



No. 8266-00 LASER MARKER INFRARED THERMOMETER MODEL SK-8940



FEATURES

- A wide range of temperature from −40 to 500°C
- Emissivity can be set in increment of 0.01 within the range of 0.30 and 1.00
- The backlit LCD facilitates reading even in dark places
- Auto power off function
- A measured value is automatically held (fixed) for about six seconds

SPECIFICATIONS

Measuring range : -40 to 500°C

Accuracy : ±2°C or ±2%rdg, whichever is larger (-19.9 to 450°C)

±4°C or ±4%rdg, whichever is larger (other range)

(operating ambient 23±5°C, ε = 0.95)

Resolution : 0.1°C (-40.0 to 99.9°C)

1°C (100°C or higher)

Emissivity : Settable between 0.30 and 1.00 in 0.01 step

Distance to spot size (D:S): 10:1

Laser sighting : 1 point / class II laser (less than 1 mW of power)

Sampling time : Approx. 0.5 sec.

Operating ambient : 0 to 50°C, less than 80%rh (no condensing)

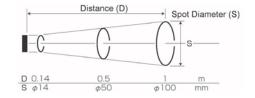
Power requirement : 9VDC (6F22 battery x 1)

Functions : Backlight ON/OFF, Laser marker ON/OFF

Auto power-off, HOLD : 45(W) x 157(H) x 80(D) mm

 $\begin{array}{ll} \mbox{Dimensions} & : 45(\mbox{W}) \times 157(\mbox{H}) \times 80(\mbox{D}) \mbox{ mm} \\ \mbox{Weight} & : \mbox{Approx. 151 g (including battery)} \end{array}$

Accessories : Soft pouch, hand strap, 6F22 battery x 1, English manual





No. 2150-10 BIMETAL THERMOMETER FOR ASPHALT (Black scale plate) No. 2150-20 BIMETAL THERMOMETER FOR ASPHALT (White scale plate)

SPECIFICATIONS

Measuring range: 0 to 200°C (div. 5/1)

Dimensions Case: Ø80 mm

Dial: Ø75 mm

Stem: Ø8 x 200 mm, pointed end

Materials Case: SPCC Nickel plating

Cover: SUS304 Window: Glass Stem: SUS304

Weight: 120 g



No. 2250-10 BIMETAL THERMOMETER FOR ASPHALT (LARGE TYPE II)

SPECIFICATIONS

Measuring range: 0 to 200°C (div. 2/1)

Dimensions Case: Ø175 mm

Dial: Ø150 mm

Stem: Ø8 x 200 mm, pointed end

Materials Case: Polyamide resin

Cover: Polyamide resin Window: Glass

Stem: SUS304

Weight: 465 g



No. 2340-20 BIMETAL THERMOMETERS FOR SURFACE TEMPERATURE WITH MAGNET

SPECIFICATIONS

Measuring range: No. 2340-20: 0 to 200°C (div. 2/1) No. 2340-40: 0 to 400°C (div. 2/1)

Accuracy: No. 2340-20: ±2°C (150 to 200°C)

±4°C (other range)

No. 2340-40: ±5°C

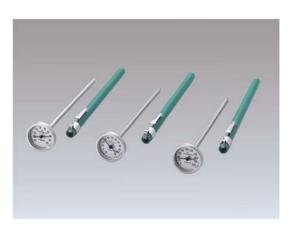
Dimensions Case: Ø64 mm x 16 mm (t)
Bulb: Ø25 x 7 mm (t)

Materials Case: Brass with chrome plating

Bulb: SUS304

Window: Glass

Weight: 105 g



No. 2060-B POCKET BIMETAL THERMOMETERS

SPECIFICATIONS

Measuring range: No. 2060-45: -40 to 50°C (div. 1/1)

No. 2060-11: -10 to 110° C (div.1/1)

No. 2060-20: 0 to 200°C (div. 5/1)

Dimensions Case: Ø26 mm

Dial: Ø24 mm

Stem: Ø4 x 130 mm, pointed end

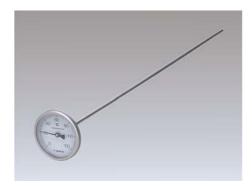
Materials Case & cover: SUS304

Window: Glass

Stem: SUS304

Sheath: Polyvinyl chloride

Accessories: Plastic window cover, sheath Weight: Thermometer: 13 g, Sheath: 7 g



No. 1407-00 BIMETAL THERMOMETER FOR COMPOST

SPECIFICATIONS

Measuring range: 0 to 120°C (div. 2/1)

±2°C Accuracy: Dimensions Ø80 mm Case: Dial: Ø75 mm

Ø8 x 900 mm, pointed end Stem:

Materials Case: Stainless steel

Window: Glass

> Stem: Stainless steel

Weight: 210 g



No. 2180-00 BIMETAL THERMOMETERS FOR GRAIN

SPECIFICATIONS

-10 to 50°C (div. 1/1) Measuring. range:

Dimensions Case: Ø80 mm

Dial: Ø75 mm

Stem: Ø8 x 250 mm pointed end

Case: SPCC Nickel plating Materials

Cover: Aluminum Stem: SUS304 Window: Glass 122 g

No. 2185-00 BIMETAL THERMOMETERS FOR GRAIN (for flexible container)

- ditto -, but Stem: Ø8 x 500 mm pointed end, Weight: 160 g



No. 2350-00 BIMETAL THERMOMETERS FOR DEEP POT

SPECIFICATIONS

Weight:

Measuring range: 0 to 120°C (div. 2/1)

Accuracy: ±2°C Dimensions Ø80 mm Case: Dial: Ø75 mm

Ø8 x 400 mm, pointed end Stem:

Materials Case: Stainless steel

Polycarbonate (transparent) Window:

Stainless steel Stem: Thermometer 130g

Weight:

Clip: 62 g

Accessory: Clip for holding thermometer





No. 1720-00 BIMETAL THERMOMETER FOR DEEP FRY TYPE II

SPECIFICATIONS

Measuring range: 0 to 200°C (div. 5/1)

Ø45 mm Dimensions Case: Stem: Ø4 x 150 mm

Materials Case: Stainless steel

> Window: Tempered glass (transparent)

Stem: Stainless steel

Weight: 41 g



BIMETAL THERMOMETERS MODEL BM-S-90S/BM-T-90S/BM-T-75S

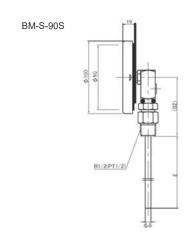


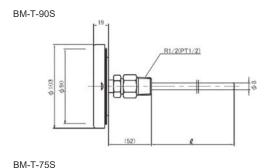
SPECIFICATIONS

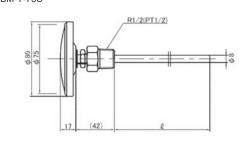
Cat. No.	2030-B	2010-B	2110-B
Model	BM-S-90S	BM-T-90S	BM-T-75S
Case dia.	103 mm		80 mm
Dial dia.	90 mm		75 mm
Materials Case	SUS304		
Window	Glass		
Sensing stem	Ø8 mm		
Materials	SUS304		
Screw	PT1/2		
Materials	SUS304		
Withstand pressure	5 kgf/cm ² 2 kgf/cm ²		2 kgf/cm ²

^{* &}quot;B" in the catalog number is replaced with branch numbers shown below according to the measuring range and the stem length of your choice.

Measuring range	Stem length	BM-S-90S	BM-T-90S	BM-T-75S
	60mm	2030-20	2010-10	2110-10
−30 to 50°C	100mm	2030-22	2010-12	2110-12
(div. 1/1)	150mm	2030-24	2010-14	2110-14
	200mm	2030-26	2010-16	_
0 to 100°C (div. 2/1)	50mm	2030-40	2010-30	2110-20
	100mm	2030-42	2010-32	2110-22
	150mm	2030-44	2010-34	2110-24
	200mm	2030-46	2010-36	_
	50mm	2030-60	2010-50	_
0 to 150°C (div. 2/1)	100mm	2030-62	2010-52	_
	150mm	2030-64	2010-54	_
	200mm	2030-66	2010-56	_
	50mm	_	2010-70	_







2010-72

2010-74 2010-76

100mm

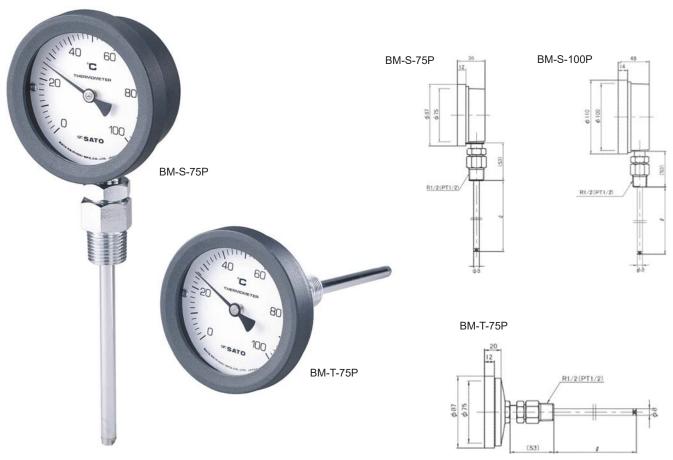
150mm

200mm

0 to 200°C

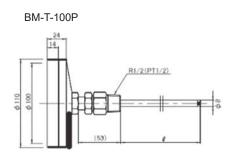
(div. 5/1)

BIMETAL THERMOMETERS MODEL BM-T-75P/BM-S-75P/BM-T-100P/BM-S-100P



SPECIFICATIONS

Cat. No.	2075-B 2078-B		2080-B	2085-B
Model	BM-T-75P	BM-S-75P	BM-T-100P	BM-S-100P
Case dia.	87 mm		110 mm	
Dial dia.	75 mm		100 mm	
Material Case Window	Polyamide resin (PA) Glass			
Sensing stem Material	Ø8 mm Brass plating (BS)			
Screw Material	PT1/2 Brass plating (BS)			



Tell us the catalog number given below according to the measuring range and the stem length of your choice.

Measuring range	Stem length	BM-T-75P	BM-S-75P	BM-T-100P	BM-S-100P
	50 mm	2086-00	2098-00	2080-02	2085-02
0 to 50°C (div. 1/1)	100 mm	2087-00	2099-00	2080-04	2085-04
, ,	150 mm	2088-00	2100-00	2080-06	2085-06
	50 mm	2089-00	2101-00	2080-12	2085-12
0 to 100°C (div. 2/1)	100 mm	2090-00	2102-00	2080-14	2085-14
, ,	150 mm	2091-00	2103-00	2080-16	2085-16
	50 mm	2092-00	2104-00	2080-52	2085-52
0 to 150°C (div. 2/1)	100 mm	2093-00	2105-00	2080-54	2085-54
(/	150 mm	2094-00	2106-00	2080-56	2085-56
0 to 200°C	50 mm	2095-00	2107-00	2080-22	2085-22
(div. 5/1)	100 mm	2096-00	2108-00	2080-24	2085-24
(Made to order)	150 mm	2097-00	2109-00	2080-26	2085-26



BIMETAL THERMOMETERS (BACK CONNECTION) MODEL BM-T-40S/BM-T-60S/BM-T-70S/BM-T-90S

SPECIFICATIONS

Cat. No.	2440-B	2460-B	2470-B	2490-B
Model	BM-T-40S	BM-T-60S	BM-T-70S	BM-T-90S
Dimensions Case	44 mm dia.	63 mm dia.	80 mm dia.	103 mm dia.
Dial	42 mm dia.	60 mm dia.	70 mm dia.	90 mm dia.
Case construction	Splash-proof type			
Measuring range	See page 36			
Materials Case	SUS304			
Window	Glass Glass (option: Acryl)			cryl)
Sensing stem	SUS304 or SUS316			
Sensing stem dia.	4,6,8,10 mm 6, 8, 10, 12 mm			m
Withstand pressure	2 kgf/cm ² 5 kgf/cm ²			



BIMETAL THERMOMETERS (BOTTOM CONNECTION) MODEL BM-S-60S/BM-S-70S/BM-S-90S

SPECIFICATIONS

Cat. No.	2465-B	2475-B	2495-B
Model	BM-S-60S	BM-S-70S	BM-S-90S
Dimensions Case	63 mm dia.	80 mm dia.	103 mm dia.
Dial	60 mm dia.	70 mm dia.	90 mm dia.
Case construction	Splash-proof type		
Measuring range	See page 36		
Materials Case	SUS304		
Window	Glass (option: Acryl)		
Sensing stem	SUS304 or SUS316		
Sensing stem dia.	6, 8, 10, 12 mm		
Withstand pressure	5 kgf/cm ²		



BIMETAL THERMOMETERS (TILTING TYPE) MODEL BM-F-70S/BM-F-90S

SPECIFICATIONS

Cat. No.	2700-B	2710-B	
Model	BM-F-70S	BM-F-90S	
Dimensions Case	80mm dia.	103mm dia.	
Dial	70mm dia.	90mm dia.	
Case construction	Splash-proof type		
Measuring range	See page 36		
Materials Case	SUS304		
Window	Glass (op	tion: Acryl)	
Sensing stem	SUS304 or SUS316		
Sensing stem dia.	6, 8, 10, 12 mm		
Withstand pressure	5 kgf/cm ²		



BIMETAL THERMOMETERS (BACK CONNECTION) MODEL BM-T-100A



SPECIFICATIONS

Cat. No.	2630-B
Model	BM-T-100A
Dimensions Case	127 mm dia.
Dial	100mm dia.
Case construction	Waterproof type
Measuring range	See page 36
Materials Case	Aluminum casting
Window	Glass (option: Acryl)
Sensing stem	SUS304 or SUS316
Sensing stem dia.	6, 8, 10, 12 mm

BIMETAL THERMOMETERS (BACK CONNECTION) MODEL BM-T-150P



SPECIFICATIONS

Model	BM-T-150P
Dimensions Case	175 mm dia.
Dial	150 mm dia.
Case construction	Waterproof type
Measuring range	See page 36
Materials Case	Polyamide resin (PA)
Window	Glass (option: Acryl)
Sensing stem	SUS304 or SUS316
Sensing stem dia.	6, 8, 10, 12 mm

BIMETAL THERMOMETERS MODEL BM-R-100P (45° LEANING TYPE)



SPECIFICATIONS

Model	BM-R-100P	
Dimensions Case	110mm dia.	
Dial	100mm dia.	
Measuring range	See page 36	
Materials Case	Polyamide resin (PA)	
Window	Glass (option: Acryl)	
Sensing stem	BS (Brass plating)	
Screw BS (Brass plating)		
Sensing stem dia.	8 mm	
Screw	PT1/2	

STANDARD SPECIFICATIONS OF BIMETAL THERMOMETERS

A. CASE (Material: SUS304)

Туре	Dial dia. (mm)	Model	Cat. No.
	Ø 40	BM-T-40S	2440-B
	Ø 60	BM-T-46S	2460-B
Т	Ø 70	BM-T-70S	2470-B
	Ø 75	BM-T-75S	2472-B
	Ø 90	BM-T-90S	2490-B
	Ø 60	BM-S-60S	2465-B
S	Ø 70	BM-S-70S	2475-B
	Ø 90	BM-S-90S	2495-B
F	Ø 70	BM-F-70S	2700-B
Г	Ø 90	BM-F-90S	2710-B

Type T: Back connection type

Type S: Bottom connection type

Type F: Tilting type

C. SENSING STEM STANDARD (Max. length: 800 mm)

Material	Stem diameter (mm)						
Material	Ø 6	Ø8	Ø 10	Ø 12			
SUS304	✓	✓	✓	✓			
SUS316	✓	✓	✓	✓			

√: Available

B. SCALE PLATE STANDARD

Temp.	Min.			Stem	diam	eter (n	nm)	
range (°C)	div.	Ø40	Ø60	Ø70	Ø75	Ø90	Ø100	Ø150
-50 to 50	2/1	✓	✓	✓	✓	✓	>	>
-30 to 50	1/1	✓	✓	✓	✓	✓	>	>
0 to 50	1/1	✓	✓	✓	✓	✓	✓	✓
0 to 100	2/1	✓	✓	✓	✓	✓	✓	✓
0 to 120	2/1	✓	✓	✓	✓	✓	✓	✓
0 to 150	2/1	✓	✓	✓	✓	✓	>	>
0 to 200	5/1	✓	✓	✓	✓	✓	✓	~
0 to 300	10/1	✓	✓	✓	✓	✓	✓	_
0 to 400	10/1		✓	✓	✓	✓	✓	_
0 to 500	10/1		✓	✓	✓	✓	_	_

√: Available —: Not available

D. STANDARD FOR SCREW

Thread type	Applied bulb		Material	
and size	dia. (mm)	SUS304	SUS316	SUS304*
PT/PF 1/4	Ø6	✓	✓	_
PT/PF 3/8	Ø 6. 8. 10	✓	✓	✓
PT/PF 1/2	Ø 6. 8. 10, 12	✓	✓	✓
PT/PF 3/4	Ø 6. 8. 10, 12	✓	✓	✓
PT/PF 1/1	Ø 6. 8. 10, 12	✓	✓	✓

√: Available —: Not available

E. SHAPE OF CONNECTORS

B: For bimetal L: For remote sensing dial √: Available X: Not available

	/(I E OI OOI1)	E01010	ing diai V. Available Not av	anabi					
	Name	Drawing	В	L		Name	Drawing	В	L
sw	Union type		~	~	SC	Fixed screwed connection type	L	✓	×
SF	Semi-union type		~	~	UW	Union type with thermowell		~	~
NB	Screwless type	*	~	~	ТМ	Bent type		×	~
NS	Plain connection w/o pipe thread type		×	✓	SG	Fixed position cap swivel connection type		✓	✓
FG	Flange type		✓	✓	FW	Flange type with thermowell		✓	✓
SJ	Slide screw type	* 100	~	~	Fe	Ferrule type		~	~
FeG	Liner tube with hexagonal nut type		✓	✓	hexa	gonal nut), and F	wless), SJ (slide screw), FeG (liner to e (ferrule), shapes and sizes may ver and the material of the case used.		/ith

^{*} SUS304 with slide screw type

STANDARD SPECIFICATIONS OF REMOTE SENSING DIAL THERMOMETERS

A. CASE

Туре	Туре		Model name	Cat. No.
\A/ II		Ø 75	LB-75S	3050-L
Wall-mount bo		Ø 100	LB-100S	3010-L
odilot (1)	<u>'</u>	Ø 150	LB-150S	3020-L
Flush-mount l	back	Ø 75	LD-75S	3060-L
outlet (*2))	Ø 100	LD-100S	3030-L
	S		LAS-100S	3012-L
Rigid stem	L	Ø 100	LAL-100S	3014-L
type	Т	Ø 100	LAT-100S	3015-L
	F		LAF-100S	3058-L
	*1		LBW-100S	3005-L
Waterproof	*2	Ø 100	LDW-100S	3025-L
type	S	וטו ש	LASW-100S	— *3
	Т		LATW-100S	— *3
	*1		LBW-100SO	— *3
Oil-filled	*2	Ø 100	LDW-100SO	— *3
type	S	Ø 100	LASW-100SO	3053-L
	Т		LATW-100SO	— *3

S: Bottom connection type

B. SCALE PLATE

Town range (°C)		Dial diameter				
Temp. range (°C)	Ø 75 mm	Ø 100 mm	Ø 150 mm			
-150 to 50	ı	5/1	_			
-100 to 50	5/1	2/1	2/1			
-50 to 50	2/1	2/1	2/1			
-30 to 50	2/1	1/1	1/1			
0 to 50	1/1	1/1	1/1			
0 to 80	2/1	1/1	1/1			
0 to 100	2/1	2/1	2/1			
0 to 120	2/1	2/1	2/1			
0 to 150	5/1	2/1	2/1			
0 to 200	5/1	5/1	5/1			
0 to 300	10/1	10/1	10/1			

^{-:} Not available

C. LEAD WIRE

Name	Cat. code	Specification
Flexible tube SUS304	FS	An SUS304 lead wire is coated with SUS304 flexible tube.
Flexible tube coated with PVC FSB		Same as above FS type, but coated with PVC (polyvinyl chloride) further.
Lead wire only	LS	An SUS304 lead wire without any coating.
Lead wire and bulb coated with Teflon tube	TTC	The lead wire and the bulb in the above FSB type are coated with Teflon tube.

D. STANDARD FOR STEM

Diameter	Ø 8 mm	Ø 10 mm	Ø 12 mm		
Length (mm)	Up to 500	Up to 1000	Up to 2000		
Material	SUS304 or SUS316				

E. SHAPE OF CONNECTORS FOR STEM

(Refer to page 36)

F. STANDARD FOR SCREW

Thread type	Bulb dia.	Material					
and size	(mm)	SUS304	SUS316	SUS304*4	SUS304*5		
PT/PF 3/8	Ø8. 10	✓	✓	✓	-		
PT/PF 1/2	Ø8. 10, 12	✓	✓	✓	✓		
PT/PF 3/4	Ø8. 10, 12	✓	✓	✓	✓		
PT/PF 1/1	Ø8. 10, 12	✓	✓	✓	✓		

^{√:} Available -: Not available

G. MINIMUM LENGTH OF SENSING STEM

Unit: mm

Connection	Dia. (mm)		Measuring Range (°C)									
type	Dia. (IIIIII)	0 to 50	-30 to 50	0 to 80	-50 to 50	0 to 100	0 to 120	0 to 150	0 to 200	0 to 300		
0)4/ 11 :	Ø 8	90	75	75	70	70	70	70	70	45		
SW: Union type	Ø 10	70	60	60	60	60	60	60	60	45		
type	Ø 12	65	65	65	50	50	50	50	50	40		
NS: Plain	Ø 8	105	90	90	85	85	85	85	_	_		
connection	Ø 10	85	75	75	75	75	75	75	-	_		
w/o thread	Ø 12	110	110	110	100	100	90	90	-	_		

^{-:} Not available

L: L-shape type

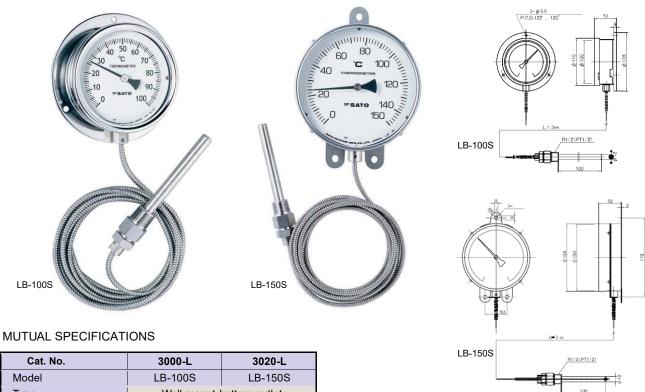
T: Back connection type F: Tilting type
*3 Available even though a catalog number is not given above.

^{*} Other ranges and Fahrenheit scale available upon quantity.

^{*4} SUS304 with slide screw type

^{*5} SUS304 with fixed position cap swivel connection type

REMOTE SENSING DIAL THERMOMETERS (WALL-MOUNT BOTTOM OUTLET) MODEL LB-100S / LB-150S



Cat. No.		3000-L	3020-L	
Model		LB-100S	LB-150S	
Туре		Wall-mount b	oottom outlet	
Sensing elen	nent	Liq	uid	
Dimensions	Case dia. Dial dia.	110 mm 100 mm	154 mm 150 mm	
Material:	Case Window	SUS304 Glass		
Sensing ster	n	Ø12 mm x ² Material:	100 mm (L) SUS304	
Screw	Material	PT1/2 SUS304		
Lead wire	Length Material	3 SUS	• • •	

Measuring range	LB-100S	LB-150S
-50 to 50°C (div. 2°C)	3000-55	3020-55
0 to 50°C (div. 1°C)	3000-05	3020-05
0 to 100°C (div. 1°C)	3000-01	3020-01
0 to 150°C (div. 2°C)	3000-15	3020-15
0 to 200°C (div. 5°C)	3000-20	3020-20
0 to 300°C (div. 5°C)	3000-30	_

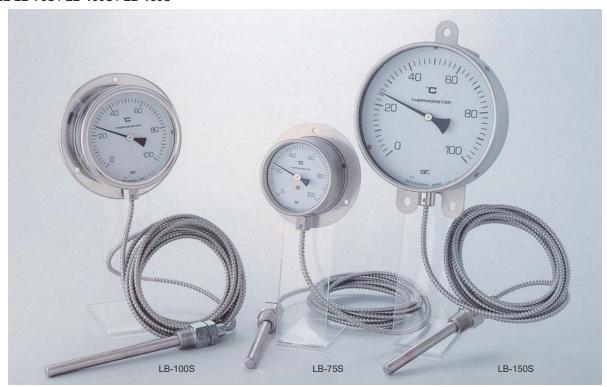
Tell us the catalog number given above according to your desired measuring range when ordering.

REMOTE SENSING DIAL THERMOMETER (WALL-MOUNT BOTTOM OUTLET) MODEL VB-100P



Model	VB-100P	
Measuring range	0 to 80°C (Cat. No. 4300-08) 0 to 100°C (Cat. No. 4300-01) 0 to 120°C (Cat. No. 4300-12)	
Scale	Unequal division	
Sensing element	Vapor	
Case dia.	110 mm (Dial dia.: 100 mm)	
Case construction	Splash-proof type	
Materials Case Window	Six nylon + glass 30% Glass (acryl is available at option)	
Sensing stem Materials	Plain connection w/o pipe thread Ø8 mm x 100 mm (L) CuT. + Nickel plating	
Lead wire Length Materials	2 m (but, 1 m for No. 4300-08) CuT. + Nickel plating	

REMOTE SENSING DIAL THERMOMETERS (WALL-MOUNT/BOTTOM OUTLET) MODEL LB-75S / LB-100S / LB-150S



SPECIFICATIONS

Cat. No.		3050-L	3010-L	3020-L		
Model		LB-75S	LB-100S	LB-150S		
Dimensions	Case	80 mm dia.	110 mm dia.	154 mm dia.		
	Dial	75 mm dia.	100 mm dia.	150 mm dia.		
Case construction		Splash-pro	oof type (IPX1)	Indoor use		
Sensing element		Solid liquid				
Measuring range		See page 37				
Materials	Case	SUS304				
	Window	Glass (option: Acryl)		Glass (option: Acryl)		
Sensi	ng stem	SUS304 or SUS316				
Le	ead wire	SUS304				
Sensing stem dia.		8, 10, 12 mm				
Mount (Q'ty x hole dia.)		3 x Ø5 mm 3 x Ø5.5 mm 3 x Ø8 mm				

REMOTE SENSING DIAL THERMOMETERS (FLUSH-MOUNT/ BACK OUTLET) MODEL LD-75S / LD-100S



Cat. No.	3060-L	3030-L
Model	LD-75S	LD-100S
Dimensions Case	80 mm dia.	110 mm dia.
Dial	75 mm dia.	100 mm dia.
Case construction	Splash-proof ty	pe (IPX1)
Sensing element	Solid liquid	
Measuring range	See page	e 37
Materials Case	SUS304	
Window	Glass (option	: Acryl)
Sensing stem	SUS304 or SUS316	
Lead wire	SUS304	



<u></u>		
	Cat. No.	

Cat. No.	3014-L	3015-L	3058-L	3012-L	3053-L
Model	LAL-100S	LAT-100S	LAF-100S	LAS-100S	LASW-100SO
Connection	Bottom	Back	Bottom	Bottom	Bottom
Stem shape	L-shape	Straight	Tilting	Straight	Straight
Dimensions Case		110 mm dia.			101 mm dia.
Dial		100 mm dia.			90 mm dia.
Case construction	Splash-proof type (Rate: IPX1) Waterproof ty			Waterproof type (IPX4)	
Sensing element	Solid liquid				
Range	See page 37				
Material of oil	— Silicone oil or liquid par			Silicone oil or liquid paraffin	
Material Case	SUS304				
Window	Glass or acrylic glass				
Sensing stem	SUS304 or SUS316				

REMOTE SENSING DIAL THERMOMETER W/ELECTRIC CONTACT (WALL-MOUNT BOTTOM OUTLET) **MODEL LB-75E / LB-100SE**



Cat. No.	3150-L	3110-L
Model	LB-75E	LB-100SE
Dimensions Case	85 mm dia.	110 mm dia.
Dial	75 mm dia.	100 mm dia.
Sensing element	Solid I	liquid
Range	See pa	ige 37
Contact capacity	100VAC: 0.3A	100VDC: 0.02A
Wire connection	Terminal block	
Contact adjustment	External adjustment (option: internal adjustment)	
Method	Conf	tact
Material Case	ADC (aluminum casting)	SUS304
Window	Acryl	
Sensing stem	SUS304	
Lead wire	SUS304	

No. 3750-L ULTRA LOW TEMPERATURE RECORDER MODEL LMMC-1



SPECIFICATIONS

Materials

Case: SPCC (Finish: Melamine-baked Plating)

Window: AS resin, transparent

Standard sensing bulb: SUS304

Plain connection w/o pipe thread (NS) type

(Length: up to 200mm)

Lead wire: SUS304

Flexible tube (Length: up to 3 m)

Electric contact point:

Lead switch type 1-point contact (option) Quartz motor

Chart drive: Power requirements: Battery life:

1.5 VDC (C manganese battery x 1) Approx. 1 year (in continuous use)

Chart: Fold type (73 (W) mm x 4.2 (L) m)

Recording period: 60 days Chart feed speed: 2.5 mm/h

Recording pen:

No. 3750-53 CPV-77 Cartridge pen (violet) Accessories: One box (6 pcs. /box) of chart for 1-year use, 2 cartridge pens, a set of mounting brackets

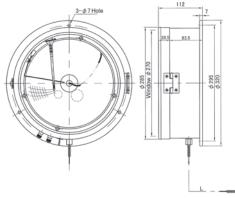
One C manganese battery, manual

TEMPERATURE RANGES AND CHART NUMBERS

Temp. range (°C)	Min. div. (°C)	Chart No.	Alarm preset (°C)
-100 to 50	5	2L-10040	−80 to −10
-50 to 50	2.5	2L-T40	-30 to 0
-50 to 100	5	2L-50100	-30 to 30
0 to 100	2.5	2L-T40	20 to 10
0 to 150	5	2L-0150	20 to 80
0 to 200	5	2L-T40	40 to 100

No. 3720-L TEMPERATURE RECORDER MODEL LSY-A1





SPECIFICATIONS

Materials

Case & cover: Aluminum Cast Alloy (ADC) Finish: Melamine-baked plating

Window: Glass Standard sensing bulb: SUS304

Union (SW) type connection (L= up to 200 mm)

Screw: PT1/2

SUS304 Flexible tube (L= up to 3 m) Lead wire:

AC type (100 to 200 VAC) Chart drive

(select at ordering): Quartz type (one C manganese battery)

Spring-wound type

No. 7238-04 Cartridge pen (violet) Recording pen:

Accessories: One box (100 sheets/box) of chart, manual

A cartridge pen is factory set

TEMPERATURE RANGES AND CHART NUMBERS

Temp. range	Min. div.	12H/REV.	24H/REV.	168H/REV.
-50 to 50	2	_	Y245050	Y1685050
-20 to 50	1	_	Y242050	Y1682050
0 to 50	1	_	Y2450	Y16850
0 to 100	2	Y12100	Y24100	Y168100
0 to 120	2	Y12120	Y24120	Y168120
0 to 150	5	Y12150	Y24150	Y168150
0 to 200	5	_	Y24200	Y168200
0 to 250	5	_	Y24250	Y168250
0 to 300	5	_	Y24300	Y168300

(100 sheets/box)

No. 7630-00 DIGITAL BAROMETER MODEL SK-500B

FEATURES

- Wide measuring range of 600 to 1100 hPa
- High resolution of 0.01 hPa
- · Red LED for easy visibility
- Display of various arithmetic results
 The values of maximum (MAX), minimum (MIN), moving average

(AVG) and relative (REL) are calculated and displayed.

· Upper and lower limit alarms

Equipped with a contact output that can be connected to an external alarm device such as a buzzer and revolving light. Upper and lower limit alarm values can be separately set.

• RS-232C and Printer outputs

Equipped with the RS-232C and printer outputs. Measured values can be displayed on a computer in real time and printed out with the dedicated printer (optional).





RS-232C/Printer output

AC adapter connection port

No. 7630-60 OPTIONAL PRINTER

Method: Thermal printing Power requirements:

AC adapter (in use of 100 to 240VAC)

Dimensions/Weight:

145 (W) x 58 (H) x 135 (D) mm / 380 g

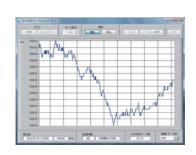
SPECIFICATIONS

Cat. No.	No. 7630-00	
Model	SK-500B	
Measuring range	600.00 to 1100.00 hPa	
Accuracy	±0.50 hPa (700.00 to 1100.00 hPa, 10 to 40°C) ±1.00 hPa (other range)	
Resolution	0.01 hPa	
Sampling time	approx. 1 sec.	
Sensing element	Piezo resistance pressure sensor	
Graph	7-segment red LED (6 digits)	
Outputs	RS232C/Printer output/ Upper and lower limits	
Accuracy (Clock)	±1 min. per month	
Operation ambient	-10 to 50°C, less than 85%rh (no condensing)	
Power requirements	9VDC / 660mA by AC adapter	
Materials	Main unit: SPCC Display: acrylic resin Pressure port: SUS304	
Dimensions & Weight	200(W) x 90(H) x 280(D) mm, approx. 3.0 kg	
Accessories	Test result, RS232C cable, USB serial cable, AC adapter (in use of 100 to 240VAC), English manual	
Option	No. 7630-60 dedicated printer, No. 8009-82 printing paper (10 rolls/pack)	

SOFTWARE

By using the dedicated software, measured data can be displayed on a PC in real time.

- SK-500B and PC are connected with the dedicated cable
- Measured data can be evaluated with a graph on PC
- Acquired data can be stored with "CSV" format in real time
- Exclusive software can be downloaded from our website
- OS: Windows 7 (32-bit/64-bit), Windows 8 (32-bit/64-bit)
 Windows 8.1 (32-bit/64-bit), Windows 10 (32-bit/64-bit)





No. 7610-20 ANEROID BAROMETER WITH THERMOMETER

SPECIFICATIONS

Barometric pressure:

930 to 1,070 hPa, 700 to 800 mmHg Measuring range:

Min. graduation:

1 hPa / 1 mmHg ±1 hPa (980 to 1,020 hPa) Accuracy:

±3 hPa (other range)

Temperature: Glass thermometer

-10 to 50°C Measuring range:

Accuracy: ±2°C

Temperature compensation: Bimetal Usable altitude: Up to 500 m Case material: Brass

Dimensions: Ø158 x 50 (D) mm Approx. 690 g Weight:

Accessories: Test result, English manual



No. 7612-00 BAROMETER WITH DIGITAL THERMOMETER

SPECIFICATIONS

Barometric pressure:

Measuring range: 945 to 1,045 hPa (black scale)

710 to 780 mmHg (red scale)

Min. graduation: 1 hPa / 1 mmHg

Accuracy: ±1 hPa (980 to 1,020 hPa)

±3 hPa (other range)

Temperature:

Measuring range: 0 to 50°C

Resolution: 0.1°C Accuracy: ±1°C (0 to 40°C)

±2°C (other range) Ø135 x 33 (D) mm Dimensions:

Weight: Approx. 220 g

Accessories: Bracket (Ø160 x 4 (D) mm), AA battery x 1pc.,

English manual



No. 7693-00 HOT WIRE ANEMOMETER MODEL SK-73D

SPECIFICATIONS

Measuring range: Velocity: 0.0 to 30.0 m/s

Air temperature: 0 to 80°C Sensing element: Coated platinum element

Velocity: ± (3% F.S.+ 1 digit) m/s Accuracy:

Air temperature: ± (0.5+1 digit) °C

Resolution: Velocity: 0.1 m/s

Air temperature: 0.1°C

Power requirements: 7.5 VDC (AA alkaline battery x 5 pcs.)

Materials of case: ABS resin, Acyl resin

84 (W) x 206 (H) x 42 (D) mm Dimensions: Body

Probe Ø8 to 18.7 mm x 180 to 930 (L) mm (telescoping type)

Cord Ø6 mm x 2 (L) m

Approx. 475 g (with batteries) Weight:

Standard accessories: Vinyl case, AA battery x 5 pcs., test result,

English manual



No. 7687-10 VANE TYPE ANEMOMETER MODEL SK-93F-II

SPECIFICATIONS

Measuring range: Velocity: 0.70 to 25.00 m/s

Air temperature: -10 to 50°C Wind run: 0.01 to 99.00 m/s

Velocity: \pm (5%rdg + 0.5) m/s Accuracy:

Air temperature: ±1°C

Wind run: Accuracy of velocity + calculation error

Power requirements: 9VDC (9V battery (6F22 (006P) x 1)

Materials of case & vane: ABS resin

Body 71 (W) x 181 (H) x 38 (D) mm Dimensions:

70mm dia. Vane Cord length 0.5 m

Weight: Approx. 360 g (with batteries)

Standard accessories: Carrying case, 9V battery (6F22 (006P)) x 1,

English manual



No. 7910 DIGITAL WIND SPEED AND DIRECTION INDICATOR WITH ALARM

SPECIFICATIONS

Input voltage:

No. 7910-00 Wind Speed and Direction Sensor
Wind direction:
Wind speed:
Wind speed:
Photoelectric pulse type
Starting speed:
Less than 2 m/s
Withstand windspeed:
108 m/s (in wind tunnel)

Measuring range: Wind direction: 0 to 360° Wind speed: 2 to 90 m/s

Measuring Accuracy: Wind direction: within ±5°

Wind speed: within ±0.5 m/s at less than 10 m/s within ±5%rdg at more than 10 m/s

Output voltage: Wind direction: 0 to 1 VDC / 0 to 540°

(540°= N.E.S.W.N.E.S.)

Wind speed: 0 to 1 VDC / 0 to 90 m/s
Power supply: 12VDC ±2V (supplied from indicator)
Dimensions, weight: 250 dia. x 510 (D) x 660 (H) mm, 3 kg
Accessories 20 m cable, test result, English manual

No. 7910-50 Digital Indicator with Alarm

Display range: Wind direction: 0 to 360° (16 cardinal points), LED (dot display)

Wind speed: 0 to 99.9 m/s, 7-segment LED, 4 digits
Wind direction: Brushless Potentiometer 0 to 360°

Wind speed: 60 photoelectric pulse / 1 propeller rotation
Display content: Wind direction: Instant or Mean: selectable by a switch button

Wind speed: Instant (upper) and Mean (lower)

Alarm output: Wind direction: Instant or Mean (Setting value: 0 to 359°)

Non-voltage make contact, LED blinking

Wind speed: Instant or Mean (Setting value:5 to 90m/s) Non-voltage make contact, LED blinking,

Buzzer sound

Power requirement: 100VAC ±10% 50/60 Hz (Other voltage is available)

Power consumption: 100 mA max.

Dimensions: 200 (W) x 110 (H) x 200 (D) mm,

Weight: approx. 3.5 kg

Accessories: 3 m power cord, 2 fuses, English manual



No. 7790-00 WIND SPEED AND DIRECTION INDICATOR

SPECIFICATIONS

Wind speed and direction sensor

Wind direction: Counterbalanced tail - Synchro motor Wind speed: 4-blade propeller - AC generator

Starting speed: Less than 2 m/s
Withstand windspeed: 108m/s (in wind tunnel)
Measuring range: Wind direction: 0 to 360°

Wind speed: 2 to 70 m/s (option: 2 to 80 m/s)

Measuring Accuracy: Wind direction: within ±5°

Wind speed: within ±0.5 m/s at less than 10 m/s

within ±5%rdg at more than 10 m/s

Wind speed output: 45VAC ±1V (no load) at 60 m/s

Dimensions: 510 (W) x 600 (H) mm

Weight: 3.0 kg

Accessories: 20 m cable, test result, English manual

Indicator

Wind speed: Rectifying Voltmeter

Measuring range: Wind direction: 360° continuous (16 divisions) Wind speed: 2 to 70 m/s (min. scale 1 m/s)

100VAC±10% (Other voltage is available)

Power requirement: 100VAC= Electric power consumption:

30VA (sensor + indicator)

Dimensions: 300 (W) x 170 (H) x 150 (D) mm

Weight: 3.6 kg

Accessories: 3 m power cord, 2 fuses, English manual



No. 7915 3-CUP ANEMOMETER WITH ALARM

SPECIFICATIONS

No. 7915-00 Wind speed sensor

Detection method: 3-Cup AC generator

2 to 60 m/s Measuring range:

Measuring Accuracy: within ±0.5 m/s at less than 10 m/s

within ±5%rdg at more than 10 m/s

Less than 2 m/s Starting speed: Withstand windspeed: 90 m/s (in a wind tunnel)

Output signal: 30±1 VAC (no load) at 60m/s

Remote distance: Up to 2 km (in use of CVVS 1.25mm² cable)

Dimensions, weight: Ø 304 x 353 (H) mm, 1 kg

Accessories: 10 m cable, test result, English manual

No. 7915-50 Digital Indicator with Alarm

Display: 7-segment red LED, 4 digits

Display range: 0.00 to 99.9m/s

Input signal: 30±1 VAC (no load) at 60m/s Display content: Instant (upper) and Mean (lower)

Alarm output Instant or Mean (Setting value:5 to 90m/s)

Non-voltage make contact, LED blinking,

Buzzer sound

100VAC ±10% 50/60 Hz (Other voltage is available) Power requirement:

Dimensions: 200 (W) x 110 (H) x 200 (D) mm

Weight: Approx. 3.5 kg

Accessories 3m power cord, English manual



No. 7760-00 3-CUP ANEMOMETER

SPECIFICATIONS

Wind speed sensor

3-Cup AC generator Detection method:

Measuring range: 2 to 60 m/s

Measuring Accuracy: within ±0.5 m/s at less than 10 m/s

within ±5%rdg at more than 10 m/s

Starting speed: Less than 2 m/s Withstand wind speed: 90 m/s (in a wind tunnel) Dimensions: Ø 304 x 353 (H) mm

Accessories: 10 m cable, Test result, English manual

Indicator

Wind speed: Rectifying Voltmeter

0 to 60 m/s Display range: Power requirement: Self-generated

180 (W) x 131 (D) 180 (H) x mm Dimensions:

Weight: 1.7 kg

Accessories: Test result, English manual



No. 7720-00 HAND HELD ANEMOMETER

SPECIFICATIONS

Wind speed sensor: 3-cup AC generator Rectifying Voltmeter Indicator:

Measuring range: 2 to 30 m/s 1m/s

Min. graduation:

Accuracy: Within ±1 m/s at less than 10 m/s Within ±10% at more than 10 m/s

Starting wind speed: 1.5 m/s

Withstand wind speed: 40 m/s Outer dimensions: Ø174 x 313 (H) mm

Weight: Approx. 0.7 kg Standard accessories: Remote measuring cable (2 m), carrying case

Test result

No. 7730-00 HAND HELD COMBINATION ANEMOMETER

SPECIFICATIONS

Wind speed: 3-cup AC generator Wind direction: Counterbalanced vane Indicator: Rectifying Voltmeter Measuring range: Wind speed: 2 to 30 m/s Wind direction: 360°

Min. graduation: Wind speed: 1 m/s

Wind direction: 10° (8 cardinal points)

Accuracy: Wind speed: within ±1 m/s at less than 10 m/s

within ±10% at more than 10 m/s

Wind direction: ±5° Starting wind speed: 1.5 m/s 40 m/s Withstand wind speed:

Outer dimensions: 360 (W) x 351 (H) mm

Weight: 1.5 kg

Standard accessories: Remote measuring cable (2 m), carrying case

Test result

INSTRUMENT SCREENS

SPECIFICATIONS

	Type 45	Type 60
Features	Single louvered, Single roof	Single louvered, Single roof
Cat. No.	No. 7960-46 (Steel legs) No. 7960-47 (Stainless steel legs) No. 7960-45 (Wooden legs)	No. 7960-49 (Steel legs) No. 7960-50 (Stainless steel legs) No. 7960-48 (Wooden legs)
Inner dimensions	425 (W) x 440(H) x 425 (D)x mm	600(W) x 650(H) x 600 (D) mm

- * Double louvered type is available for both types at option.
- * Steel anchor bolts are used with stainless steel legs also.



COMPACT TYPE INSTRUMENT SCREENS





Cat No.	No. 7960-20	No. 7960-30
Features	Wall-mount type, Single louvered	Pole-mount type, Single louvered
Model	Type 20	Type 30
Inner dimensions:	203 (W) x 390 (H) x 127(D) mm	330 (W) x 330 (H) x 300 (D) mm



No. 7821 RAINFALL INDICATOR WITH ALARM

SPECIFICATIONS

No. 7821-50 Digital Indicator with Alarm

No. 7821-00 Tipping bucket type rainfall sensor 7-segment red LED, 4 digits Applicable sensor:

Display:

Display range: 0.0 to 999.5 m/s

Input signal: Non-voltage make contact

One tip of rainfall amount: 0.5 mm (option: 1.0 mm) Contact time: 0.1 sec. or more Max. number of pulses: 10 pulses per minute

Instant (upper) and Mean (lower) Display content:

(Effective rainfall amount is displayed by key operation)

Alarm output: Time rainfall: 1 to 450 mm Continuous rainfall: 1 to 999 mm Effective rainfall: 1 to 999 mm

Power requirement: 100 VAC ±10% 50/60 Hz approx. 15 VA

(Other voltage is available) 200 (W) x 110 (H) x 200 (D) mm Dimensions:

Weight: Approx. 3.5 kg

3 m power cable, fuse, English manual Accessories:



No. 7821-00 Tipping Bucket Rainfall Sensor (ref. No. 7980-S-40)

SPECIFICATIONS

1 contact point pulse per 0.5 mm of rainfall amount Output: Accuracy: Within 0.5mm when rainfall amount at up to 20mm Within 3% when rainfall amount at more than 20mm

Contact: Reed switch Contact time: 0.1 sec. or more

Contact capacity: Current: Max. 1 ADC, Voltage: Max. 200 VDC

Use capacity: 15 W Remote distance:

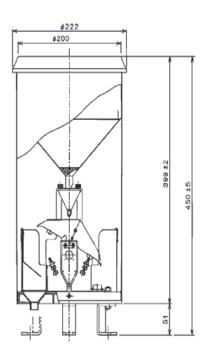
approx. 500 m (in use of CVVS 1.25mm² cable) Material of body: Stainless steel

Dimensions: Ø220 x 450 (H) mm (orifice: Ø200 mm)

Weight: Approx. 2.2 kg

Accessories: 20m cable, Test result, English manual





No. 6435-00 HANDY TYPE DIGITAL PH METER MODEL SK-620PHII

SPECIFICATIONS

Measuring range: рН: 0.00 to 14.00pH

Temp.: 0.0 to 50.0°C

рН: ±(0.3+1 digit)pH (0 to 2pH) Accuracy:

±(0.1+1 digit)pH (2 to 12pH) ±(0.4+1 digit)pH (12 to 14pH)

Temp.: ±0.5°C (20 to 30°C), ±0.7°C (other range)

Resolution: 0.01pH / 0.1°C

рН: Elements: Glass electrode Temp.: Thermistor

Power requirements: 9 VDC (6F22 (006P) x 1 pc.) or AC adapter (optional)

Case: ABS resin Probe: Glass Materials: Dimensions: 72(W) x 182(H) x 31.5(D) mm Weight: about 220 g (including battery)

Standard accessories: PHP-31 probe, bottle for glass electrode, vinyl cover, carrying case,

6F22 (006P) battery x 1, standard liquid set (Phthalate solution, Neutral phosphate solution, Carbonate solution), English manual

* Visit our website for the optional probes and other accessories.



No. 6410-00 PENTYPE DIGITAL PH METER MODEL SK-610PHII

SPECIFICATIONS

Measuring range: рН: 2.0 to 12.0pH Temp.: 0.0 to 50.0°C Accuracy:

pH: ±0.2pH

±0.6°C (20 to 30°C) Temp.:

±0.8°C (other range)

Resolution: 0.01pH / 0.1°C

Flements: :Ha Glass electrode

Temp.: Thermistor

Power requirements: 6 VDC (3V Lithium button battery CR2032 x 2)

Materials: Case: ABS resin Probe: Glass 37(W) x 150(H) x 42(D) mm Dimensions: Weight: about 77 g (including batteries)

Standard accessories: Vinyl pouch, Lithium button battery x 2, English manual





SK-630PH SERIES POCKET TYPE DIGITAL PH METERS

FEATURES

- Calibration function
- HOLD function
- Auto power-off function
- Auto temperature compensation (ATC) (Not applicable for model SK-630PH)







SK-631PH



SK-632PH

Cat. No.		No. 6416-00	No. 6418-00	No. 6420-00	
Model		SK-630PH	SK-631PH	SK-632PH	
Measuring range	рН	2.0 to 12.0pH	2.0 to 12.0pH	2.00 to 12.00pH	
	Temp.	-	0.0 to 50.0°C	0.0 to 50.0°C	
Accuracy	рН	±0.6pH	±0.5pH	±0.4pH	
	Temp.	-	±1.0°C	±0.5°C	
Resolution	рН	0.1pH	0.1pH	0.01pH	
	Temp.	_	0.5°C	0.1°C	
Elements pH		Glass electrode (no need to refill internal liquid)			
	Temp.	-	Ther	mistor	
Operation ambient		0 to 50°C			
Power requirement		6 VDC (Button battery LR44 1.5VDC x 4 pcs.)			
Battery life		about 20 hours in continuous use			
Materials		Case: ABS resin Sensor: Glass			
Dimensions		36 (W) x 150 (H) x 25 (D) mm			
Weight		approx. 65 g (including batteries)			
Standard accessories		Button battery LR44 (GPS76F) x 4 English manual			



No. 6433-00 PEN TYPE DIGITAL PH METER MODEL SK-670PH

FEATURES

Slender rod-shaped sensor section (Ø12 x 115 (L)mm).
 Available to directly insert it in a small container such as flask at measurement

• Waterproof construction conforming to JIS C 0920 IPX4 (can be operated even with wet hands)

SPECIFICATIONS

Display range: pH: 2.0 to 12.0pH Temp.: 0.0 to 50.0°C Resolution: pH: 0.01pH Temp.: 0.1°C

Functions: 3-point calibration (at pH4.01, pH6.86 and pH10.01)

Auto power-off, Hold function

Auto temperature compensation (ATC) Power requirements: Coin lithium battery CR2032 x 2 pcs.

Dimensions: 36(W)×224(H)×20(D) mm

Sensing section: 12 mm dia. x 115 (L) mm

Weight: approx. 63g (including batteries)
Accessories: Glass electrode protection bottle 1 pc.

Coin lithium battery (CR2032) x 2 pcs., English

manual



SK-660PH SERIES PEN TYPE DIGITAL PH METERS

FEATURES

- Waterproof construction conforming to JIS C 0920 IPX5 (can be operated even with wet hands)
- Sensor sensitivity display
- Replaceable sensors







SPECIFICATIONS

Cat. No.		No. 6428-00 No. 6429-00		No. 6430-00		
Model		SK-660PH	SK-660PH SK-661PH			
Measuring range pH		2.0 to 12.0pH	0.0 to 14.0pH	0.0 to 14.00pH		
	Temp.	0.0 to 50.0°C	0.0 to 50.0°C	0.0 to 50.0°C		
Accuracy	рН	±0.3pH	±0.2pH	±0.05pH		
	Temp.	±1.0°C	±1.0°C	±0.5°C		
Resolution	рН	0.1pH	0.1pH	0.01pH		
	Temp.	0.1°C	0.1°C	0.1°C		
Sensing elements pH		Glass electrode (no need to refill KCI)				
	Temp.	Thermistor				
Functions		Auto Power-off, Hold function, Sensor sensitivity display, stability display				
Power requirement		6VDC (Button battery (LR44) x 4)				
Materials		Case: ABS resin Sensor: glass				
Dimensions & weight		Ø38 x 171(L) mm, approx. 82 g (including batteries)				
Accessories		Button battery (LR44) x 4, hand strap				
Consumable		No. 6431-00 Model 660S Replacement sensor, English manual				

Waterproof property

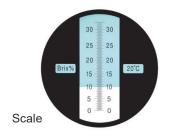
IPX4: Water splashed against the enclosure from any direction shall have no harmful effects.

IPX5: Water projected in jets against the enclosure from any direction shall have no harmful effects.

R SERIES HAND HELD REFRACTOMETERS

FEATURES

- Easy to read boundary of the blue field of the scale
- The body is made with environment-friendly materials.
- Auto temperature correction function in the range of 10 to 30°C







SPECIFICATIONS

Cat. No.	0180-00	0181-00	0182-00	0184-00	0186-00	0187-00	0189-00	0190-00
Model	SK-100R	SK-101R	SK-102R	SK-104R	SK-106R	SK-107R	SK-109R	SK-200R
Scale (Brix)	0.0 to 32.0%	28.0 to 62.0%	0.0 to 18.0%	0.0 to 10.0%	58.0 to 92.0%	45.0 to 82.0%	0 to 50%	0.0 to 28.0% (*1)
Min. Scale	0.2%	0.2%	0.1%	0.1%	0.2%	0.5%	0.5%	0.2%
Grip dia.	29 mm	29 mm	29 mm	29 mm	29 mm	29 mm	29 mm	29 mm
Length	170 mm	160 mm	195 mm	195 mm	150 mm	145 mm	155 mm	170 mm
Weight	105 g	105 g	120 g	120 g	100 g	100 g	100 g	105 g
Materials	Main unit: Aluminum alloy Cover plate: Polycarbonate Prism: Optical glass Grip: Synthetic rubber Adjusting screw: Copper							
Standard accessories	Wipe-out cloth, carrying case, screwdriver, dropper, distilled water (*2), saturation salt water (*3), oil for adjustment (*4), block for adjustment (*5)							

- (*1) Salt concentration
- (*2) Applicable for SK-100R, SK-102R, SK-104R, SK-109R and SK-200R
- (*3) Applicable for SK-101R only
- (*4) Applicable for SK-106R and SK-107R
- (*5) Applicable for SK-106R and SK-107R

No. 1737-00 CO₂ MONITOR MODEL SK-50CTH

FEATURES

- Three-colored LED and buzzer to alert CO2 level
- Temperature/humidity shown together
- Self-recalibration available
- Long-life NDIR sensor for CO2 detection









VENTILATE REGULARLY 801–1000 ppm



VENTILATE IMMEDIATELY
Over 1000 ppm



Cat. No.& Name	No. 1737-00 CO2 Monitor Model SK-50CTH				
Elements	CO ₂ level	Temperature	Humidity		
Measuring range	200 to 5000 ppm	0.0 to 50.0°C	10.0 to 95.0%rh		
Accuracy	±5%rdg or ±50 ppm, whichever is larger (200 to 3000 ppm) ±7%rdg (other)	±0.6°C (20.0 to 40.0°C) ±1.0°C (other)	±5.0%rh (40.0 to 70.0%rh, 20 to 30°C) ±7.0%rh (other)		
Sampling time	5 sec.	2 sec.	2 sec.		
Buzzer volume	64 dB (from 10 cm away), available to be turned off				
Power	5VDC, 500mA via USB Type-C terminal				
Dimensions & Weight	226 (W) x 152 (H) x 45 (D) mm, 450g				
Accessories	USB cable (Type-C to A, 3 m), AC adapter (100 to 240VAC)				

No. 1707-20 NON-CONTACT COUNT-DOWN TIMER MODEL TM-27 No. 1707-30 NON-CONTACT COUNT-DOWN TIMER MODEL TM-29

FEATURES

- The non-contact sensor enables to start the timer by putting your hand over the sensor
- When the alarm is sounding, you can stop it without touching but putting your hand over the sensor
- Non-contact switch senses only 3 cm long avoiding false activation when people walking by the timer





Model TM-27

Model TM-29

SPECIFICATIONS

Cat. No.	1707-20	1707-30	
Model	TM-27	TM-29	
Functions	Countdown, Repeat		
Sensor	Non-contact type		
Count-down setting time	From 5 to 90 sec. in steps of 5 sec.	From 1 sec. to 99 min. 59 sec. in steps of 1 sec.	
Alarm	Sound (beep beep)	Sound (selectable 3 types) Flashing LED lump, flashing LCD	
Volume level	65 dB	70 dB	
Waterproof property		The front panel has a drip-proof structure	
Power requirement	AAA manganese battery (R03) x 3 pcs.		
Battery life	approx. 1 year (in use of 20 times/day)	approx. 1 year (in use of 50 times/day)	
Material (Body)	ABS resin		
Dimensions	114 (W) × 62 (H) × 24 (D) mm	120 (W) × 62 (H) × 22 (D) mm	
Weight	approx.110 g (including batteries)	approx. 130 g (including batteries)	
Accessories	3 AAA manganese batteries, adapter plate, English manual		

OTHER PRODUCTS Visit http://www.sksato.co.jp/en for detail

No. 8070-10 Pen Type Digital Thermohygrometer Model PC-5110

Range: -10.0 to 50.0°C, 5 to 95%rh



No. 1756-00 Waterproof Digital Thermometer Model PC-9230 No. 1758-00 Waterproof Digital Thermometer Model PC-9235

Range: -50.0 to 240.0°C

- Fast response with ultra-narrow Ø 1.5 mm sensor
- Shows min/max temperature by pressing a key



88 mm

No. 1840-00 Min-Max Digital Thermometer Model PC-3510

Range:

Internal sensor: -5.0 to 50.0°C External probe: -50.0 to 70.0°C

 Displays min/max temperature permanently



No. 1850-00 2-ch Digital Thermometer Model PC-3710

Range:

Internal sensor: -5.0 to 50.0°C External probe: -50.0 to 70.0°C

- Can monitor temperatures in both fridge and freezer
- Shows min/max temp. by pressing a key



PC-9230

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Ordering Information

HOW TO ORDER

STOCK ITEMS:

To order instruments, parts or accessories, please indicate the appropriate catalog number and name. Where applicable, indicate power requirements, or any optional features listed in the specifications.

MAKE-TO-ORDER ITEMS:

Upon request, we, SATO KEIRYOKI MFG. CO., LTD. will provide a complete quotation on individual system requirements. The quote will detail all necessary components, list fixed prices for a given period of time, and provide ordering instructions.

PRICES:

The prices listed in Price List are subject to change without notice. It is suggested to verify prices prior to ordering, at which time, we will also inform you of the validity period of the price. Prices include the cost of standard export packing. Our shipment term is Ex-works Tokyo basis.

TERMS OF PAYMENT:

Shipment to foreign destinations is against cash transfer (by T/T) to our bank account (advance payment).

BANK INFORMATION:

Beneficiary: Sato Keiryoki Mfg. Co., Ltd.

3-4, Kanda-kajicho, Chiyoda-ku, Tokyo 101-0045 Japan

Bank name: MUFG Bank, Ltd., Muromachi Branch (branch no. 430)

1-3-2, Nihonbashi-Hongokucho, Chuo-ku, Tokyo 103-0021 Japan

Tel: +81-3-3241-1251

Account No. 308700 Swift address: BOTKJPJT

Bank name: Sumitomo Mitsui Banking Corporation, Nihonbashi Branch (branch no. 695)

2-1-1, Nihonbashi-Muromachi, Chuo-ku, Tokyo 103-0022 Japan

Tel: +81-3-3241-1121

Account No. 1022064 Swift address: SMBCJPJT

SHIPPING:

Unless specific instructions accompany the order, we will use our judgment as to the best method of shipment. Export shipments in wooden case packing may incur an extra packing charge.

SPECIFICATIONS:

We reserve the right to discontinue any item without prior notice and to change specifications as required without incurring any obligation to incorporate new features on instruments or equipment previously sold.

SERVICE:

We, SATO KEIRYOKI MFG. CO., LTD., maintain a complete repair and calibration service in our factories.

WARRANTY POLICY

Warranty

Our products are warranted to be free from defects in materials and workmanship for a period of one year from date of shipment. If repair or adjustment is necessary and has not been the result of abuse or misuse within the one-year- period, please return the units on - Freight Prepaid - and correction of the defect will be made without charges. We alone will determine if the product problem is due to deviations or customer misuse.

Out-of-warranty products will be repaired on charge basis. Return of items

Authorization must be obtained from us before returning items for any reason. When applying for authorization, please include data regarding the reasons the items are to be returned.

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The specifications, descriptions, drawings, ordering information and part numbers within this document are subject to change without notice. This publication supersedes all previous publications on this subject.



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