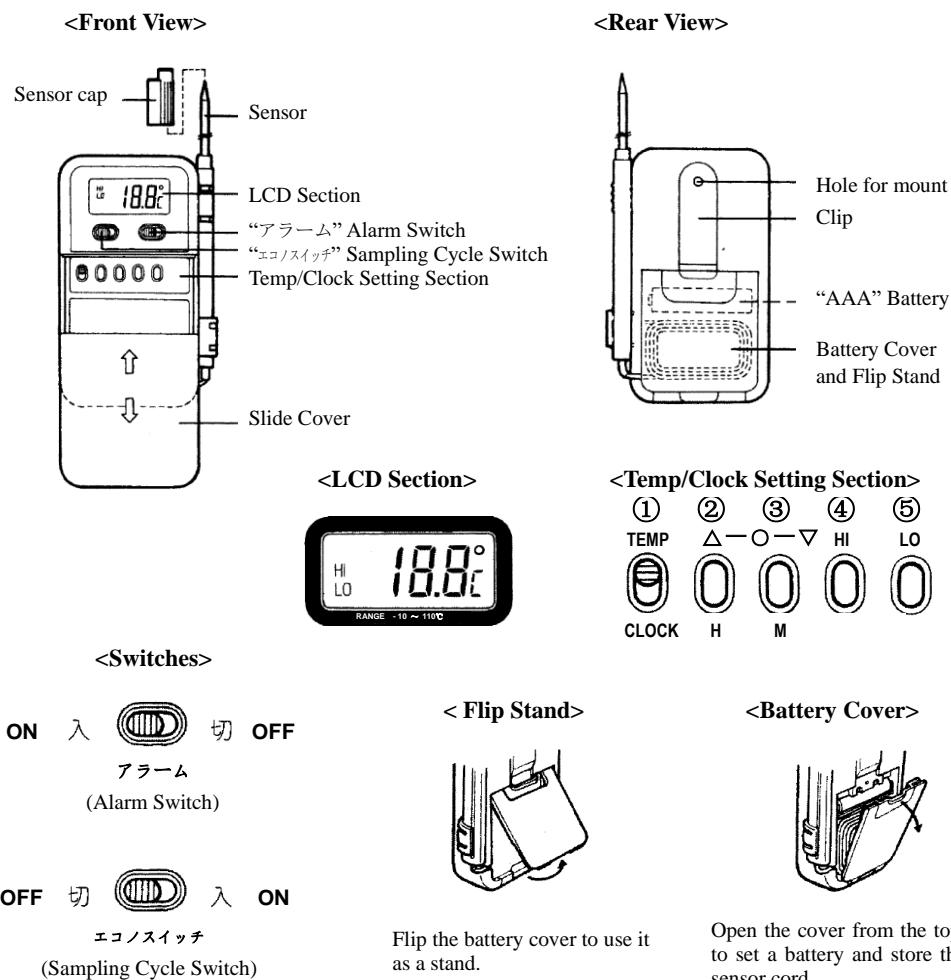


# Instruction Manual for Digital Thermometer Model PC-9400

Thank you for purchasing the Digital Thermometer Model PC-9400.

- This product is designed to measure temperature. Do not use it for other purposes.
- Read this manual thoroughly before using the thermometer and keep the manual in a safe place for future reference.

## Names and Functions of Components



## Setting the Sampling Cycle [エコノスイッチ]

- The sampling cycle is selectable of 1 second or 10 seconds.  
**NOTE:** Using 10 second sampling cycle extends the battery life.
- For 1 second sampling cycle, slide the [エコノスイッチ] (sampling cycle switch) to [切] (OFF).
- Slide the switch to [入] (ON) for 10 second sampling cycle.

## Setting Upper Limit Temperature

1. Slide ①[TEMP/CLOCK] switch to [TEMP].
2. Press ④[HI] and the previously set temperature value or “----” will be displayed in the LCD.
3. Set the upper threshold by pressing ②[H] and ③[M]. Press ②[H] button to increase temperature value and press ③[M] button to decrease temperature value.
4. Press ④[HI] button to secure the setting. The current temperature and “HI” will be displayed.

## Setting Lower Limit Temperature

1. Slide ①[TEMP/CLOCK] switch to [TEMP].
2. Press ⑤[LO] and the previously set temperature value or “----” will be displayed in the LCD.
3. Set the lower threshold by pressing ②[H] and ③[M]. Press ②[H] button to increase temperature value and press ③[M] button to decrease temperature value.
4. Press ⑤[LO] button to secure the setting. The current temperature and “LO” will be displayed.

## Checking Upper/Lower Thresholds

1. Press ④[HI] to check the upper temperature setting and ⑤[LO] for the lower temperature setting.
2. Press the same button to return to the current temperature display.

## Clearing Upper/Lower Thresholds

1. Press ④[HI] for upper temperature and ⑤[LO] for lower temperature. Confirm the value is flashing.
2. Clear the set value by pressing ② and ③ (Δ—○—▽) buttons at the same time.

## Setting Alarm

- Sliding the [アラーム] (alarm) switch to [入] (ON) activates the alarm to sound.
- When the measuring temperature reaches the set upper/lower threshold, it will trigger the alarm with “HI” or “LO” indication in LCD flashing.  
**NOTE:** With the alarm switch in [切] (OFF) position, the alarm will not sound but “HI” or “LO” indication will still be flashing.
- The alarm sounds for 1 minute and it can be stopped by pressing any of ② to ⑤ buttons, but the upper/lower threshold settings will not be cleared.

## Setting Clock

1. Slide ①[TEMP/CLOCK] switch to [CLOCK] position to set the current time.
2. Press ②[H] for hours and ③[M] for minutes. Press the buttons longer than 2 seconds for the displayed numbers to increase continuously.
3. Slide the switch back to [TEMP] to secure the time.
4. “AM” or “PM” will be displayed with the set time.

## Error Messages

- When the measured temperature is higher than 110°C, “HHH” will be displayed.
- When the measured temperature is lower than -10°C, “LLL” will be displayed.

## Battery Replacement

- Use one AAA battery.
- Make sure to load a battery with correct polarity (+) and (-).
- Replace the battery when LCD dims and the volume of alarm become weak.
- Battery life depends on frequency in use of alarm.

## Cautions

- Keep the sensor cap on when the thermometer is not in use.
- Do not forcibly pull or bend the sensor or the sensor cord.
- Do not stick the sensor into anything solid.
- When measuring liquid temperature, immerse only the metal part of the sensor (approx. 50 mm).
- Do not use the thermometer out of its measuring range.
- This product is a precision instrument. Do not knock or concussion it.
- The main unit is not waterproof. Avoid the direct contact with water.
- Do not use in water.
- Do not use this unit in a place exposed to direct sunlight or near heating equipment. Doing so may cause deformation of the casing or measuring failure.
- Clean the thermometer with a soft dry cloth only. Do not use solvents or detergents.
- Do not use this unit in an environment where electrical noise is generated (such as near a TV, a mobile phone or a microwave oven.) Doing so may result in malfunction.
- Never disassemble or modify this unit. Doing so may result in failure.
- If the LCD freezes due to electrical noise, remove the battery and reload after the LCD is off.
- For environmental conservation, dispose used batteries in compliance with local rules and regulations.

## Specifications

Name	: No. 1752-00 Digital Thermometer
Model	: PC-9400
<b>&lt;Probe&gt;</b>	
Measuring range	: -10 to 110°C
Heat-resisting temperature of cord	: 50°C
Materials	: SUS304 ABS resin (grip)
Length of cord	: about 1 m
Length of sensing part	: about 98 mm (including the pointed end)
<b>&lt;Main unit&gt;</b>	
Accuracy	: ± 1.0°C at 35 to 75°C ± 2.0°C at other than above range
Sampling cycle	: every 1 second or 10 seconds
Time for detecting temperature	: about 20 seconds at the 1 second sampling cycle (measured object: liquid)
Sound level of alarm	: 62 dB (measured 10 cm away from the unit)
Duration of alarm	: about 1 minute
Clock	: 12 hour display (AM/PM)
Storage ambient	: - 5 to 55°C, 85% rh (no condensing)
Power requirement	: 1.5V DC, “AAA” (R03) battery
Battery life	: approx. 9 months under 1 second sampling cycle approx. 10 months under 10 second sampling cycle (The result depends on the use of alarm function)
Dimensions	: (W) 66 × (H) 107 × (D) 20 mm
Weight	: about 130 g (with battery)
Standard accessories	: “AAA” size battery × 1

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