

Instruction manual

For

Optional Probes for SK-L200T II Dataloggers

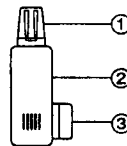
Thank you for purchasing the SK-LT II series optional probes.

- This product is designed to measure temperature connecting with SK-L200T II Dataloggers. Do not use it for other purposes.
- Read this manual carefully before using. Keep the manual in a safe place for future reference whenever necessary.

Names of Parts

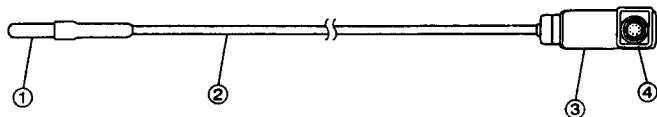
1. Model SK-LT II-1 Probe (Plug-in type)

- (1) Sensor
- (2) Sensor unit
- (3) Connector



2. Model SK-LT II-2 Probe (with sensor cord type)

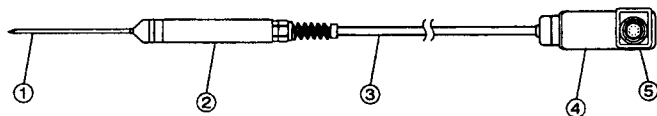
- (1) Sensor
- (2) Sensor cord
- (3) Sensor unit
- (4) Connector



3. Model SK-LT II-3 Probe (Waterproof type: Penetration stem with grip)

4. Model SK-LT II-4 Probe (Waterproof type: Penetration stem with grip)

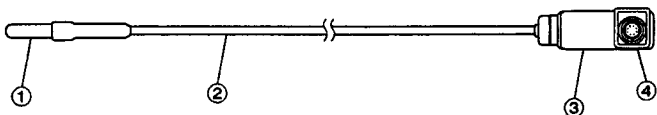
- (1) Sensor stem
- (2) Grip
- (3) Sensor cord
- (4) Sensor unit
- (5) Connector



5. Model SK-LT II-5 Probe (Waterproof type: with sensor cord)

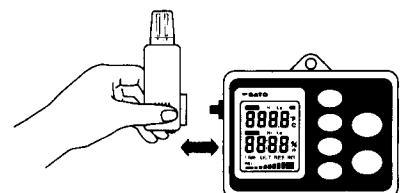
6. Model SK-LT II-6 Probe (Waterproof type: with sensor cord)

- (1) Sensor
- (2) Sensor cord
- (3) Sensor unit
- (4) Connector



Installing Probes

- Install the temperature probe as the figure:
- Push the sensor unit into the connector until you hear a “click”.
- To remove the probe, pull it straight toward you in the reverse direction of the installation. Never rotate the sensor while pulling.



Safety Precautions

To use the probes safely, follow the precautions below.

- SK-LT II-1 and SK-LT II-2 probes are not waterproof. Do not let these get wet.
- Never drop the probe or knock it over.
- Measuring temperature outside the measurable range may result in sensor malfunction.
- Never disassemble or modify the sensors. Doing so may cause a malfunction.
- Do not modify, forcibly pull, bend or tie the sensor cord. Placing heavy objects on the sensor cord or heating it will also damage the cord.
- It is desirable not to use SK-LT II-1, SK-LT II-2, SK-LT II-5 and SK-LT II-6 probes with foods. SK-LT II-3 and SK-LT II-4 probes are recommendable for foods.
- The tip of SK-LT II-5 and SK-LT II-6 probes is tapered to be easily inserted into the object to be measured. Be careful when handling it not to get hurt.

For repair or calibration, contact the retailer from which the Datalogger was purchased or your nearest local sales representative.

Specifications

| Model Name | SK-LT II - 1 | SK-LT II - 2 | SK-LT II - 3 | SK-LT II - 4 | SK-LT II - 5 | SK-LT II - 6 |
|-----------------------|--|--|--|---|--|---|
| Cat. No. | 8162-00 | 8163-00 | 8164-00 | 8165-00 | 8166-00 | 8167-00 |
| Sensor | Thermistor | | | | | |
| Measuring range | -10 to 60.0°C | -40 to 105.0°C | | | | |
| Accuracy | ±0.5°C at 20.0 to 30.0°C ±1°C at other than above range | ±0.5°C at 15.0 to 35.0°C ±1.5°C at lower than -10°C ±1°C at other than above range | ±0.6°C at 15.0 to 35.0°C ±1.5°C at lower than -10°C ±1°C at other than above range | | | |
| Dimensions | W 25 x H 70 x D 20mm | Sensing part: φ5 x L 20 mm Cord length: 1.5 m Sensor unit: W25 x H62 x D20mm | Sensing stem (stainless steel) φ3 x L 150 mm Grip: φ18 x L100mm Cord length: 3.75 m Sensor unit: W25 x H62 x D20mm | Sensing stem (stainless steel) φ3 x L 150 mm Grip: φ18 x L100mm Cord length: 5.0 m Sensor unit: W25 x H62 x D20mm | Sensing stem φ5 x L 120 mm Cord length: 3.75 m Sensor unit: W25 x H62 x D20mm | Sensing stem φ5 x L 120 mm Cord length: 5.0 m Sensor unit: W25 x H62 x D20mm |
| Weights | About 13g | About 43g | About 140g | About 161g | About 86g | About 108g |
| Materials | ABS resin | ABS resin PVC resin Stainless steel | ABS resin PVC resin Polyacetal resin Stainless steel | ABS resin PVC resin Polyacetal resin Stainless steel | ABS resin PVC resin Stainless steel | ABS resin PVC resin Stainless steel |
| Waterproof Properties | Non | Non | Conforming to JIS C 0920 protection class 5 (Equivalent to IP X5) | | Conforming to JIS C 0920 protection class 7 (Equivalent to IP X7) | |
| Accessories | Test Result | Test Result | Test result | | Test result | |

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