

No. 8017-00 WATERPROOF DIGITAL THERMOMETER

Model SK-1250MCIII α



FEATURES

- Measured data can be stored in memory with a simple operation.
 - * The memory can store up to 150 data in the manual mode.
 - * The memory can store up to 100 data in the automatic mode.
- Print function
 - * Temperature data stored in memory can be printed on an optional printer.
- Setting of upper and lower limits is available.
 - * If the temperature reaches the upper limit or the lower limit to be set, the warning buzzer sounds and "V" flashes on the panel.
- Waterproof
 - * **IP-54** rated (No adverse effects of water splashes from any direction.)
- Both inputs of Thermistor and K Thermocouple are available only from us.
- Various kinds of optional probes for a wide variety of applications.
- A large LCD with multi display.
- A soft pouch with strap is provided as a standard accessory.

SPECIFICATIONS:

Model	Waterproof Digital Thermometer SK-1250MC III α	
Measuring range	Thermistor : -30.0 to 150.0°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 : $\pm 0.2^\circ\text{C}$ Sensor : $\pm (0.1\% \text{ rdg} + 0.3^\circ\text{C})$ at 0.0 to 100.0°C K Thermocouple Main unit : $\pm (0.2\% \text{ rdg} + 0.4^\circ\text{C})$ at -30.0 to -0.1°C, 100.1 to 150°C : $\pm (0.1\% \text{ rdg} + 0.3^\circ\text{C})$ at 0.0 to 199.9°C : $\pm 0.5^\circ\text{C}$ at -99.9 to -0.1°C : $\pm (0.2\% \text{ rdg} + 1^\circ\text{C})$ at 200 to 1250°C Sensor : $\pm 2.5^\circ\text{C}$ at -40.0 to 333°C (JIS class 2) : $\pm 0.0075(t)$ at 333 to 1200°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	
Grade of protection from water	Conforming to IP-54 rated	
Sampling time	1 sec.	
Sensor	Thermistor / K Thermocouple	
Power requirements	6 VDC ("AAA" size battery x 4)	
Battery life	About 180 hours continuous with manganese batteries About 280 hours continuous with alkali batteries	
Materials	Main unit : ABC resin Probe : Sensing stem : Stainless (SUS304) Handle : Polypphenylen Oxide	
Demensions	Main unit: 66 (W) x 175 (H) x 25 (D) mm	
Weight	Approx. 200 g (main body including batteries)	
Standard Accessories	MC-T100III probe, soft pouch with strap, 4 manganese AAA batteries.	

No. 8009-50 OPTIONAL PRINTER MODEL DPU-414

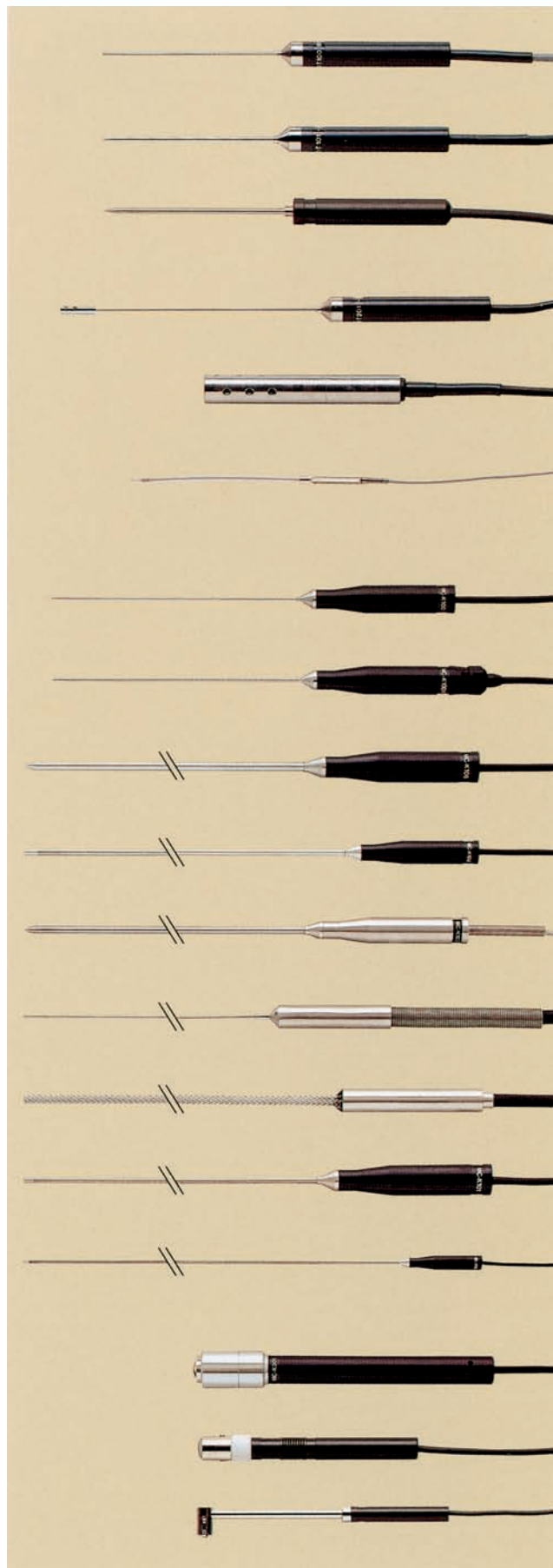
By connecting the optional printer with the SK-1250MCIII α via an exclusive cable, the data stored in memory can be printed out by simple key operation.

SPECIFICATIONS:

Power requirements	: 100 VAC using AC adapter or built-in battery
Ambient temperature for use	: 0 to 40°C
Dimensions	: 160 (W) x 66.5 (H) x 170 (D) mm
Weight	: Approx. 0.7 kg
Standard Accessories	: Printing paper 1 roll (about 28 m), exclusive cable 1 ea.



OPTIONAL PROBES



THERMISTOR PROBES

- MC-T100 III Standard type probe. Range: -30 to $+150^{\circ}\text{C}$. Use for semi-solid, viscosity and liquid. $\phi 2 \times 100$ mm w/1.1 m cord.
- MC-T101 III Penetration probe. Range: -30 to $+150^{\circ}\text{C}$. Use for semi-solid, viscosity and liquid. $\phi 3 \times 100$ mm w/1.1 m cord.
- MC-T101W III Waterproof type penetration probe. Range: -30 to $+150^{\circ}\text{C}$. Suitable for food industry. $\phi 3 \times 100$ mm w/1.1 m cord.
- MC-T201 III Air temperature probe. Range: -30 to $+150^{\circ}\text{C}$. Use in offices and warehouses. $\phi 5 \times 150$ mm w/1.1 m cord.
- MC-T102 III Water temperature probe. Range: -30 to $+150^{\circ}\text{C}$. Water pressure resistance type. $\phi 17 \times 115$ mm w/10 m cord.
- MC-T103 III Rectum temperature probe. Range: $+30$ to $+50^{\circ}\text{C}$. $\phi 3 \times 110$ mm w/1.1 m cord.

K TYPE THERMOCOUPLE PROBES

- MC-K100 III Standard type probe. Range: -100 to $+300^{\circ}\text{C}$. Use for semi-solid, viscosity and liquid. $\phi 2.3 \times 150$ mm w/1.1 m cord.
- MC-K100W III Waterproof type penetration probe. Range: -100 to $+300^{\circ}\text{C}$. Suitable for food industry. $\phi 2.3 \times 150$ mm w/1.1 m cord.
- MC-K101 III General purpose probe. Range: -100 to $+700^{\circ}\text{C}$. $\phi 3.2 \times 250$ mm w/1.1 m cord.
- MC-K102 III High temperature probe. Range: 0 to $+800^{\circ}\text{C}$. Use for semi-solid, viscosity and liquid. $\phi 4.8 \times 500$ mm w/1.1 m cord.
- MC-K103 III Asphalt temperature probe. (Grip & stem: stainless steel) Range: 0 to $+300^{\circ}\text{C}$. $\phi 5 \times 250$ mm w/1.1 m heat resistant cord.
- MC-K104 III High sensitivity probe. Range: -100 to $+300^{\circ}\text{C}$. Use for liquid and viscosity. $\phi 1 \times 1000$ mm w/1.1 m cord.
- MC-K105 III Duplex wire probe. Range: -100 to $+300^{\circ}\text{C}$. (w/stainless shield) $\phi 0.65 \times 10$ m w/1.1 m cord.
- MC-K106 III Asphalt temperature probe. Range: 0 to $+300^{\circ}\text{C}$. $\phi 5 \times 250$ mm w/1.1 m cord.
- MC-K107 III High temperature probe (sensor: innconel). Range: 0 to $+1000^{\circ}\text{C}$. $\phi 4.8 \times 1000$ mm w/1.1 m cord. (Option: Range 0 to 1250°C , $\phi 8 \times 1000$ mm)
- MC-K301 III Surface temperature probe. Range: 0 to $+600^{\circ}\text{C}$. $\phi 25 \times 40$ mm w/1.1 m cord.
- MC-K307 III Surface temperature probe for general use.. Range: -30 to $+400^{\circ}\text{C}$. Sensing part $\phi 17 \times 25$ mm w/1.1 m cord.
- MC-K308 III Surface temperature probe (L shape sensor stem) Range: -30 to $+600^{\circ}\text{C}$. Sensing part $\phi 17 \times 30$ mm w/1.1 m cord.

Specifications subject to change without notice.

06.08

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ISO9001:2000

ISO14001:2004

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