



## Waterproof digital thermometer SK1250MCIII TE6010

Datasheet

### Product Description:

Waterproof Digital Thermometer with memory and alarm functions

### Standards

Conforming to JIS C 0920 (Protection Class 4 ): equivalent to IP54

### Application area's

Food industry

### Features

- Measurement values can be stored into memory with a simple operation.
- The memory can store up to 150 measurement values in the manual mode.
- The memory can store up to 100 measurement values in the automatic mode.
- 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.
- Splash proof
- No adverse effects of water splashes from any direction
- A large LCD with multi display
- A Thermistor and K Thermocouple are provided as standard accessories.



### Specifications

#### 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 /  $\pm(0.2\% \text{rdg} + 0.4^\circ\text{C})$  at -30.0 to -0.1°C, 100.1 to 150.0°C

K Thermocouple: Main unit:  $\pm(0.1\% \text{rdg} + 0.3^\circ\text{C})$  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:

JIS class 2

#### Operational Functions:

MAX: maximum memory data,

MIN: minimum memory data,

HOLD: data hold,

REL: measurement of variation,

TIME: time settings,

REC/PRINT: Record and print function

#### Grade of protection from water:

Conforming to JIS C0920 (Protection class 4), --- Equivalent to IP-54 rated ---

#### Sensor:

Thermistor / K Thermocouple

#### Power requirements:

6VDC ("AAA" size battery  $\times 4$  pcs.)

#### 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 steel (SUS304)

Grip: Polyphenylen Oxide

#### Dimensions:

Main unit: 66(W) $\times$ 175(H) $\times$ 25(D)mm

Weight: approx. 200g (main body including batteries)

### Safety Precautions

- When measuring high temperature, be careful not to burn yourself.
- The instrument is not explosion proof. Never use it in an atmosphere containing flammable gases

### Disclaimer

- 3 The Information given in this sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. Whilst we endeavour to ensure that all advice we give about the product (whether in this sheet or otherwise) is correct we have no control over either the quality or condition of the product or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing to do so, we do not accept any liability whatsoever or howsoever arising for the performance of the product or for any loss or damage (other than death or personal injury resulting from our negligence) arising out of the use of the product. The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.

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