DP-350C∗A

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General Description

The DP-350 is an economical thermometer with a wide temperature range and useful functions, such as measured value and peak hold, sensor burnout, battery alarm, and automatic power off.

For DP series, there are more than 50 types of sensors available so that it allows you to select an appropriate sensor for your application.

Features

☆ **Wide Temperature Range**
The temperature range is between -200 to 1200°C (-328 to 1999°F).
The range of -199.9 to 199.9°C (-199.9 to 199.9°F) is also available.

☆ **Measured Value Hold**
Press the HOLD button to hold the current measured value on the display. Press the HOLD button again to go back to the normal display mode.

☆ **Peak Hold**
The maximum/minimum measured value is automatically stored.

☆ **Automatic Power OFF**
The power will be automatically turned off after 3 (or 30) minutes from power-on. (This function can be inactivated.)

☆ **1°C/0.1°C (°F) Measuring Resolution**
The temperature measuring resolution can be switched between 0.1°C and 1°C (°F).
The temperature range varies with resolution.

☆ **Burnout**
In case the temperature sensor is broken, "BO" will be displayed on the display.

☆ **Battery Alarm**
"BAT" is displayed on the display when the batteries become low. It tells you the time to change the batteries for precise temperature measurement.
(Two pieces of 1.5V R6 type dry cell).

Specifications

Input
Thermocouple : K (JIS/IEC)

Input	Scale range
K	-200 – 1200°C(-199.9 –199.9°C)
	-328 – 1999°F(-199.9 – 199.9°F)

Sampling time
Approx. 0.3 sec

Performance
Measurement accuracy
±(0.2% of indicated value + 1digit) or ±2°C (4°F)
(Whichever is larger)
• ±4°C (8°F) in the range of −100°C (-150°F) or less.
Display
LCD

General specifications
External dimensions (W x H x D)
52 x 145 x 25 mm
Power supply
R6 type dry cell, 1.5V x 2pcs.
Life of battery
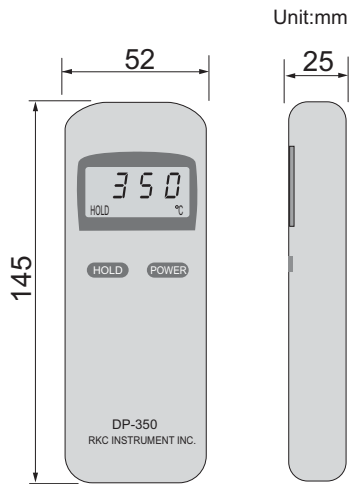Approx. 1000 hours
Operating environments
0 to 50°C (32 to 122°F), 45 to 85% RH
Net weight
Approx. 140g (Including dry cells)

⬤ External Dimensions ▶

Unit:mm

⬤ Model and Suffix Code ▶

Model Code	Accessory (Optional)
DP-350C∗A	No optional
DP-350C∗A-1	With anti-shock cover (Silicon jacket) ∗
DP-350C∗A-3	With soft case ∗

∗ Purchase of each cover only is available. Refer to the following part numbers:
  350P-K01: Anti-shock cover (Silicon jacket)
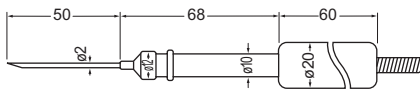 350P-K03: Soft case

Anti-shock cover
(Silicon jacket)

Soft case

⬤ Temperature Sensors (Type K Thermocouple) ▶
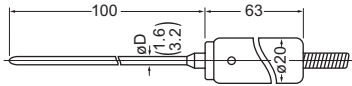
∗ Separately
① Maximum usable temperature ② Applications   (Unit : mm)
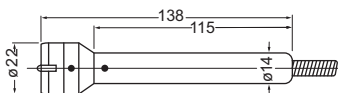
JB-15

① 400°C
② For semi-solid, viscous material and liquid
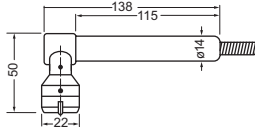Model Code : JB-15-K-1000-3C/A

JB-16

① 650°C (ø1.6), 750°C (ø3.2)
② For semi-solid, viscous material and liquid
Model Code :
  ø1.6 : JB-16-K-1.6-100-1000-3C/A
  ø3.2 : JB-16-K-3.2-100-1000-3C/A

ST-23

① 300°C
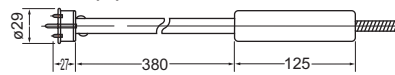② For static surface
Model Code : ST-23-K-1000-3C/A

ST-23L

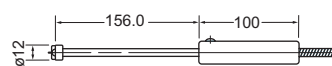① 300°C
② For static surface
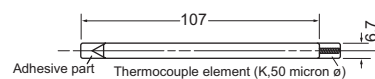Model Code : ST-23L-K-1000-3C/A

ST-29 (H)

① 800°C (1,000°C)
② For static surface
Model Code :
  800°C :   ST-29-K-1000-3C/A
  1,000°C : ST-29H-K-1000-3C-/A

ST-30

① 300°C
② For static surface
Model Code : ST-30-K-1000-3C/A

ST-50 (Adhesive type)

Adhesive part   Thermocouple element (K, 50 micron ø)

① 300°C
② For very small spaces
Model Code : ST-50

※ Many other types are available.