



Product Datasheet

ENGLISH

**Stock No: 123-1937, 1231937, 1231990,  
1231991, 1231992, 1231993, 1231994,  
1231995 & 1231996**

# RS PRO DIGITAL THERMOMETER

EN



## Features

User Selectable °C or °F

User Selectable 0.1°C or 1°C(0.1°F or 1°F) Resolution

Type K Thermocouples

Dual Thermocouple Inputs

Max Hold and Data Hold

Differential Temperature (T1-T2)

SCAN Function (T1, T2, T1-T2, MAX, HOLD.....)

Electronic Offset function allows compensation of thermocouple errors to maximize overall accuracy

Auto Power Off (Sleep mode) prolongs battery life

Large, easy-to-read LCD display with backlit

## SPECIFICATIONS

### Electrical

#### Temperature scale:

Celsius (°C) or Fahrenheit (°F) user-selectable

#### Measurement range:

-50°C to 1300°C, -58°F to 2000°F

**Resolution:** 1°C or 1°F, 0.1°C or 0.1°F

**Accuracy:**

Accuracy is specified for operating temperatures over the range of 18°C to 28°C (64°F to 82°F), for 1 year, not including thermocouple error.

±2°C-----	-50°C to 0°C
±4°F-----	-58°F to 32°F
±(0.5% rdg+1°C)-----	0°C to 1000°C
±(0.8% rdg+1°C)-----	1000°C to 1300°C
±(0.5% rdg+2°F)-----	32°F to 2000°F

**Temperature coefficient:**

0.1 times the applicable accuracy specification per °C from 0°C to 18°C and 28°C to 50°C (32°F to 64°F and 82°F to 122°F).

**Input protection:**

60V dc or 24V rms ac maximum input voltage on any combination of input pins.

**Reading Rate:** 2.5 times per second.

**Input Connector:**

Accepts standard miniature thermocouple connectors (flat blades spaced 7.9mm, center to center).

## Environmental

**Ambient operating range:**

0°C to 50°C (32°F to 122°F)

**Storage temperature:**

-20°C to 60°C (-4°F to 140°F)

**Relative humidity:**

0% to 80% (0°C to 35°C) (32°F to 95°F)

0% to 70% (35°C to 50°C) (95°F to 122°F)

## **General**

**Display:**

3 1/2 digit liquid crystal display (LCD) with maximum reading of 1999

**Battery supplied:**

Standard 9V battery (NEDA 1604, IEC 6F22)

**Dimensions:**

162mm (H)×76mm(W)×38.5mm(D)

**Weight:** 210g

**Accessories :**

9V battery, Holster with stand, Double Type-K Temperature probes, User manual and gift box with carrying case.