TM-2002 Portable Digital Thermometer

➢ Product Overview

TM-2002 Portable Digital Thermometer features an integrated thermometer and temperature gun design, compact and lightweight for on-the-go liquid temperature measurement without cable length restrictions. Considering harsh working environments in smelting temperature monitoring, the instrument employs nickel-based stainless steel construction throughout, ensuring rust resistance and easy maintenance. It incorporates advanced industrial-grade integrated digital display chips for stable and reliable performance. It incorporates a rapid charging circuit for fast and convenient charging.

This instrument features an automatic temperature stabilization detection function, typically locating and displaying the stable temperature value within 3 to 5 seconds. Simultaneously, an audible alert will sound, prompting the operator to withdraw the temperature probe from the measurement area. The measurement completion indicator will illuminate at this time. Depending on the actual on-site measurement conditions, the probe can be bent to a certain angle to facilitate the measurement operation.
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➢ Key Indicators

◆ High data collection accuracy, with measurement precision within 1.5°C.

◆ Wide measurement range (0 to 1999°C).

◆ After 2 minutes without signal input, the power supply will automatically disconnect.

◆ Features alarm functions for broken coupling, overrange, and power supply undervoltage.

◆ Powered by nickel-metal hydride rechargeable batteries at DC 5V

◆ Compatible with 5 types of thermocouples

Thermocouple Type	Measurement Range (°C)	Suitable for	Note
S	400～1769	Molten steel, iron, and copper	Platinum-Rhodium Alloy
R	400～1769	Molten steel, iron, and copper	Platinum-Rhodium Alloy
B	400～1820	High-temperature molten steel	Platinum-rhodium
WRe3/25	0～1999	Steel, molten iron	Tungsten-Rhenium
K	0～1000	Aluminum and zinc melt	Nickel-Chromium-Nickel-Silicon

◆ Standard configuration: Probe length 1.6 meters (optional 2.4 meters)

◆ Optional: Data storage function (5000 readings)