

# Handheld Digital Thermometer DATA SHEET

V3.2



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## 1. Overview

This thermometer is based on a high-speed 16-bit embedded microprocessor. It employs an automatic calibration circuit and a precision temperature sensor to measure the cold junction temperature, with software calibration capabilities. For data acquisition, it uses a high-precision AD conversion chip with a sampling period of 20ms, exhibiting strong anti-interference performance against power frequency interference.

This thermometer is suitable for measuring solution temperatures in industries such as steelmaking, copper smelting, and iron casting, and can also measure slag temperatures.

## 2. Function Description

- A buzzer will sound after the measurement is completed.
- Battery voltage detection and battery level display
- Four high-brightness LED displays, 15mm character height