TIME Electronics 7000 reference thermometer and PT100 calibrator

Precision digital thermometer for RTD probes and RTD/ohms calibrator
Accuracy 0.05 °C, resolution 0.01 °C



KEY FEATURES

- Reference thermometer 0.05 °C
- RTD and resistance simulator
- Autonomous

Description

The TIME Electronics 7000 combines a precision digital thermometer for RTD probes and an RTD/ohms calibrator in a portable case. It enables high-precision measurements without bulky laboratory instrumentation.

Reference thermometer 0.05 °C

With an accuracy of 0.05 °C and a resolution of 0.01 °C, it serves as an external reference for dry block furnaces and calibration baths. It accepts Pt100, Pt200, Pt500, Pt1000, Ni120 and Ni1000 probes in 2, 3 or 4 wires.

RTD and resistance simulator

In generator mode, it simulates these same probes or a resistance of 0.01 Ω to 2.6 kΩ, with 5 fixed points and a programmable ramp.

Autonomous

The NiMH battery offers more than 24 hours of use, with an optional AC adapter.

Typical applications

- Reference for dry block furnaces and baths
- Calibration of RTD probes and transmitters
- On-site controller control
- Metrology laboratories and quality services

Technical specifications

Sondes	Pt100 DIN/US, Pt200, Pt500, Pt1000, Ni120, Ni1000, non-standard programmable types
Temperature accuracy	0.05 °C (up to 250 °C), 0.07 °C beyond
Resolution	0.01 °C
Pt100 beach	-200 to 849 °C
Resistance	0.01 Ω to 2.6 kΩ, resolution 0.01 Ω, ±0.03 Ω from 20 to 400 Ω
Simulation	5 fixed points and programmable ramp
Connection	2, 3 or 4 wires
Battery	NiMH, more than 24 h
Dimensions	165 x 90 x 45 mm
Weight	0.42 kg

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Technical advice and quote

DYNATIME SA distributes this product in Switzerland from Marin (NE). Our team helps you choose the right version for your application and sends you a quote quickly.
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