TIME Electronics 1090 thermocouple process calibrator

Multifunctional portable calibrator: thermocouples, PT100, mV and mA
Measurement and simulation, 24 V loop supply



KEY FEATURES

- Eight types of thermocouples
- Process signals
- Not programmable and autonomous

Description

The 1090 from TIME Electronics is a high-performance portable calibrator that measures and simulates thermocouples, PT100s, millivolts, and milliamps. Robust and easy to use, it is suitable for on-site and laboratory applications.

Eight types of thermocouples

The 1090 measures and simulates the thermocouples J, K, T, R, S, B, N and E with a resolution of 0.1 °C and precise cold-welding compensation of 0.2 °C. It also simulates a PT100 over 14 points from -100 to 800 °C.

Process signals

It generates up to 80 mA with an accuracy of 0.02% and measures up to 60 mA. The 24 V loop power supply allows testing a transmitter without an external source.

Not programmable and autonomous

Ten values are memorized and recalled in steps or in automatic mode (1 to 10 seconds per step). The NiMH battery provides approximately 60 hours of use with automatic shutdown.

Typical applications

- Calibration of controllers and indicators
- Control of temperature and process transmitters
- Maintenance of industrial facilities
- Metrology laboratories

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Technical specifications

Thermocouples	J, K, T, R, S, B, N, E in measurement and simulation, resolution 0.1 °C
Cold welding	Compensation, accuracy 0.2 °C
PT100	Measurement -200 to 700 °C; simulation 14 points from -100 to 800 °C
Millivolts	Measurement ±30 mV (0.05 % PE), source ±80 mV (0.02 % PE)
Milliamperes	Measurement ±60 mA (0.05 % PE), source 0 to 80 mA (0.02 % PE)
Loop power supply	24 V
Memory	10 values, not manual or automatic
Battery	NiMH rechargeable, approx. 60 h, charger included
Dimensions	235 x 150 x 75 mm
Weight	1.2 kg

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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