TIME Electronics 1049 precision PT100 simulator

Portable PT100 probe simulator, 23 points from -200 to 800 °C
Passive resistors, compatible with all instruments



KEY FEATURES

- Accuracy exceeding Class A
- Compatible with all instruments
- Pocket format

Description

The 1049 from TIME Electronics is a precision simulator for PT100 (0.385) probes. It replaces the probe with a standard resistance and allows the control of a controller, indicator or transmitter over 23 points from -200 to 800 °C, without a bath or calibration furnace.

Accuracy exceeding Class A

Resistances with high-performance metallic film ensure a low temperature coefficient and excellent stability. The values comply with the DIN EN 60751 (ITS 90) standard, with an accuracy of better than ±0.15 °C at 0 °C, ideal for the -60 to 60 °C range.

Compatible with all instruments

The output is purely passive: the 1049 operates with all PT100 measurement equipment, including systems with pulsed or interrupted excitation current.

Pocket format

With 112 x 61 x 55 mm and 170 g, it fits into a maintenance bag. It is supplied with a carrying case.

Typical applications

- Checking controllers and temperature indicators
- Control of PT100 transmitters in maintenance
- Commissioning of installations
- Laboratories and quality services

Technical specifications

Type of simulated probe	PT100, 0.385 (DIN EN 60751, ITS 90)
Beach	-200 to 800 °C, 23 fixed points
Precision	±0.3 to ±0.65 °C depending on the point
Outtake	Passive resistance
Dimensions	112 x 61 x 55 mm
Weight	0.17 kg
Supply	Transport case

Non-contractual document. Specifications subject to technical changes. Edition 11/2026.