



1049 Handheld PT100 Simulator

- -200°C to +800°C
- ± 0.1% accuracy
- Meets DIN 43760 spec.
- 23 set points
- Good temperature



Introduction

The 1049 is a precision simulator for PT100 the Platinum Resistance elements used for accurate temperature measurement.

It follows the PT100 scale from -200°C to +800°C with 23 set points. High performance metal film resistors are used throughout which ensures a good temperature coefficient and long term stability.

Accuracy exceeds DIN 43760 specifications for a class B PT100 element and at most temperatures is better than the accuracy for class A.

Specification

Set points (°C)	-200, -100, -50, -20, -10, 0, 10, 20, 30, 40, 50, 60, 80, 100, 150, 200, 250, 300, 400, 500, 600, 700, 800.
Accuracy:	± 0.1% of resistance value (approx. half the DIN 43760 specification, equivalent to better than ± 0.3 C.)
Temperature Coefficient:	less than 50 ppm per °C
Maximum Current:	50 mA
Dimensions:	61 x 112 x 55 mm
Weight:	170 g
Optional Extras:	Calibration Certificate traceable to N.P.L.

Ordering Information

Description	Order Code
Handheld PT100 Simulator	1049
N.P.L. Traceable Calibration Certificate	1079
NAMAS Calibration Certificate	9114

