

PT100S/1 & /2

ACCURATE AND RELIABLE RESISTANCE THERMOMETER SIMULATORS

KEY FEATURE	PT100s
High calibration accuracy	■
2 models available	■
Rugged construction metal case	■
High quality switching	■
High accuracy wire wound resistance elements	■
Calibration traceable to international standards	■
Calibrated to IEC 751, DIN 43760 and BS1904	■

Designed for the accurate and reliable simulation of platinum resistance thermometers (Pt100), the simulators Pt100S/2 and Pt100S/1 offer 2 low cost options. Both models are calibrated to international standards.

Pt100S/1: Uses 2 wire simulation and 12 set points calibrated direct in °C.

Pt100S/2: Suitable for 2, 3 and 4 wire connection and incorporates the high quality Cropico SP1 switch together with high accuracy wire wound resistance elements. This construction gives both high performance and permanence of calibration.

PT100S/1 SPECIFICATIONS

Temp °C	-20	0	10	20	40	60	80	100	150	200	250	300
Accuracy	±0.3											
Temp Coeff 15 to 25°C	< 15 ppm/°C											

PT100S/2 SPECIFICATIONS

Temp °C	-100	-80	-60	-40	-20	-10	0	10	20	30	40	50
Accuracy	±0.15											
Temp Coeff 15 to 25°C	< 10 ppm/°C											
Temp °C	60	70	80	90	100	150	200	250	300	350	400	500

PT100S/1

Terminals	2 4mm binding posts accept spade and 4mm banana plugs
Working Temperature	+5 to 20 to 40°C
Storage Temperature	-5 to +50°C
Dimensions	120mm x 65mm x 60 mm (W H D) approx
Mass	0.55kg approx
Switch	High quality switch, silver contacts with low stable contact resistance
Resistance Elements	Selected precision metal film
Case	Painted aluminium

PT100S/2

Terminals	4 4mm binding posts accept spade and 4mm banana plugs
Working Temperature	+5 to 20 to 40°C
Storage Temperature	-5 to +50°C
Dimensions	190mm x 110mm x 95 mm (W H D) approx
Mass	0.75kg approx
Switch	Cropico type SP1 switch with low and constant contact resistance
Resistance Elements	Wire wound resistors with low temperature co-efficient and long term stability. 0.01%/year
Case	Painted aluminium