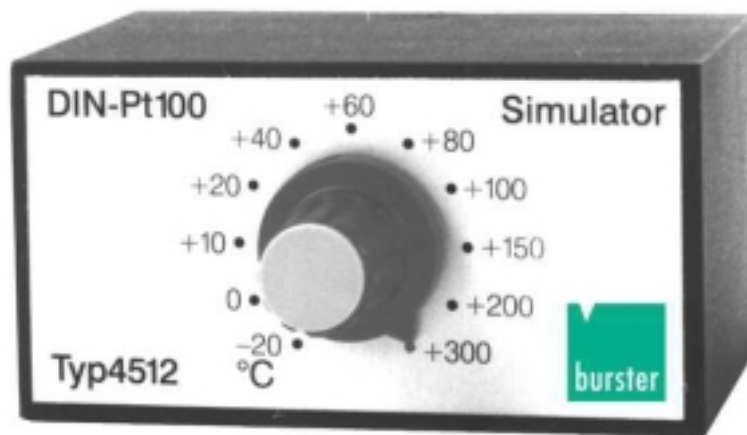


Pt 100 Simulators

In small design
Type 4511
Type 4512

Code:	4511 E
Manufacturer:	burster
Delivery:	ex stock/12 weeks
Warranty:	24 months
Issue:	1.7.2001



Technical Data

- 11 fixed temperature values
- Simulation of 10 and 20 Ω connecting cable resistances for type 4512
- Calibration according to DIN EN 60751
- Accuracy:
 - $\pm (0.2 + 0.001 \cdot t)$ in $^{\circ}\text{C}$ [with $t =$ adjusted value in $^{\circ}\text{C}$ with $t > -20^{\circ}\text{C}$
 - $\pm (0.2 + 0.007 \cdot t)$ in $^{\circ}\text{C}$ [with $t =$ adjusted value in $^{\circ}\text{C}$ with t from $-200^{\circ}\text{C} \dots -20^{\circ}\text{C}$
- Switch contacts Ag claded over E Cu and gold-plated
- Resistance material MANGANIN[®], TK < 10 ppm/K
- Negligible ambient temperature influence
- Long-term stability 0,02 % for years
- 2-wire-connection technique
- Height 35 mm, breadth 66 mm, depth 88 mm
- Weight approx. 100 g
- For years successful in use
- Maintenance-free

In a little compact, sturdy plastic housing is put a high-class switch with wire-wound precision resistors of MANGANIN[®]. Using this selector switch 11 fixed temperature values according to DIN EN 60751 of the resistance thermometer Pt 100 are simulated. The simulated resistance value, which corresponds to the selected temperature, will be picked up at the terminals "Rsim". Two other terminal sockets serve to simulate connecting cable resistances between 10 and 20 Ω .

The selector switch of types 4511 and 4512 is programmed with 11 temperature values as individually given by the customer. Within a range from $-200^{\circ}\text{C} \dots +850^{\circ}\text{C}$ each temperature value can be selected. The resistance material MANGANIN[®] used in the instrument has a temperature coefficient of < 10 ppm. Therefore the ambient temperature needs not be taken into account.

Pt 100 Simulator, Type 4511
With temperature values according to customer specification

Application

The Pt 100 simulator is used wherever measuring instruments or controlling systems have to be adjusted and tested with individually selected temperature values. Of course it can also be used if the temperature values of our standardized types do not fit.

The design type 4511 has been developed for customers with a need for higher quantities of identical items having the same temperature values. The minimum order quantity is 10 items.

Order Information

Pt 100 simulator
 (Please indicate the temperature values you need)

Type 4511

Adjustable temperature values in °C
Please indicate 11 values within the range from - 200 to + 850 °C

Delivery period: 10 - 12 weeks, due to individual specifications

Pt 100 Standardized Simulator, Type 4512

Application

An instrument that accurately simulates the resistance thermometer over a wide temperature range is very useful for the testing of industrial temperature measuring and control devices. The standardized simulator type 4512 is the answer to this challenge. A special advantage of this simulator is the division of the scale in centigrades (°C). Trouble-some checking with tables is rendered unnecessary.

Order Information

Pt 100 simulator

Type 4512

Adjustable temperature values in °C	Simulation of power resistance in Ω
- 20, 0, +10, +20, +40, +60, +80, +100, +150, +200, +300	0, 10, 20

Available ex stock

Terminal Application

