

ICS 02S Simulator for Pt-100 | RTD | TC | mV/V

Accuracy 0,05 %



- Measurement and simulation of RTD, TC and V signals
- Up to 0.05% accuracy
- Data memory
- Automatic zero
- Ambient temperature display
- HD digital display, 5½ digits with backlight
- Integrated flashlight

Technical Data

Type	ICS-02S
Resistance Thermometer (RTD)	
Generate & measure RTD signals	Pt100, Pt200, Pt500, Pt1000, Cu50 (-200...0...+800°C) ; 0,1°C
Resistance / Source / Measure	0...4000 Ω bzw. 0...5500 Ω ; 0,1 Ω or 0,01 Ω
Accuracy (rdg + const.)	±0,05%
Selectable temperature unit	°C / °F
Multi-wire measurement	2 / 3 / 4
Thermocouples (TC)	
Generate & measure TC signals	R, S, K, E, J, T, N, B, A, C, D
mV source / mV measure	-100...1100 mV / 50...550 mV

	Also source/measure in °C
Accuracy (rdg + const.)	±0,05%
Selectable temperature unit	°C / °F
Internal reference junction	±0,5 °C
Voltage (V)	
Generate & measure voltage	-10 mV...1,1 V or -35...+35V DC
Accuracy (rdg + const.)	±0,05%
Continuity (O/C)	
Audible continuity	O / C
"Open" threshold	0,5 kΩ
Features	
Sensor connector	4 safety sockets (1 channel) incl. 2 sets of 4 mm safety test leads and crocodile clips; TC reference junction plug
Power supply	4 × 1.5 V AAA batteries; operating time approx. 25 h; with auto power-off
User interface	Keypad
Display	Multi-function LCD, 5½-digit, backlit
Housing	
Design / scope of delivery	ABS housing with protective padding; set of safety leads; crocodile clips; TC reference junction; manual; test certificate
Dimensions (H × W × D)	210 × 100 × 40 mm
Weight	approx. 550 g