

Testo 950



Precision adjustment for highly accurate reference measured values

testo 950 connected to intelligent precision probes (Pt100 Class B 1/10) has a system accuracy of <math><0.2^{\circ}\text{C}</math> and a resolution of



The advantages at a glance

- Clear graphics display
- 3 freely assignable function buttons
- Saves or prints at the touch of a button
- Mains connection/quick battery recharging
- Attachable printer
- Measured values are printed on site in seconds
- Data communication with PC
- Barcode pen
- User-friendly operation with cursor
- 2 freely assignable probe inputs, automatic recognition of all connected probes
- With calibration protocol

Examples of use



System adjustment: Adjusts a quick-action thermocouple probe with an accurate Pt100 probe to a reference value. Advantage: Quick and highly accurate measurement at reference value.

Highly accurate temperature measurement with 1/10 DIN Pt100 and printout. Advantage: Printout with date, time and location



Technical data - testo 950	
Storage temperature	-25.0...60.0 °C
Operation temperature	0.0...50.0 °C
Battery type	1.5 V AA
Battery life	18.0 h
Weight	500.0 g
Dimensions (BxLxH)	0.0 x 0.0 x 0.0 mm



Efficient data processing

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testo 950, reference thermometer			
Probe type (measuring value)	Measuring range		
Pt100 (Temperature)	-200.0 ... 800.0 °C	Accuracy	+/-1.0 °C (-200.0 ... -100.0 °C) +/-0.4 °C (-99.9 ... -50.0 °C) +/-0.1 °C (-49.9 ... 99.9 °C) +/-0.4 °C (100.0 ... 199.9 °C) +/-1.0 °C (200.0 ... 800.0 °C)
		Resolution	+/-0.1 °C (-200.0 ... -100.0 °C) +/-0.01 °C (-99.9 ... 300.0 °C) +/-0.1 °C (300.1 ... 800.0 °C)
Pt100 (Temperature)	-330.0 ... 1470.0 °F	Accuracy	+/-1.0 °F (-330.0 ... -150.1 °F) +/-0.4 °F (-150.0 ... -60.1 °F) +/-0.1 °F (-60.0 ... 211.9 °F) +/-0.4 °F (212.0 ... 389.9 °F)
		Resolution	+/-0.1 °F (-330.0 ... -150.1 °F) +/-0.01 °F (-150.0 ... 570.0 °F)
Type K (NiCr-Ni) (Temperature)	-200.0 ... 1370.0 °C	Accuracy	+/-1.0 °C (-200.0 ... -100.1 °C) +/-0.4 °C (-100.0 ... 200.0 °C)
		Resolution	+/-0.1 °C (-200.0 ... 1370.0 °C)
Type K (NiCr-Ni) (Temperature)	-330.0 ... 2500.0 °F	Accuracy	+/-1.0 °F (-330.0 ... -150.1 °F) +/-0.4 °F (-150.0 ... 390.0 °F)
		Resolution	+/-0.1 °F (-330.0 ... 2500.0 °F)
Type S (Pt10Rh-Pt) (Temperature)	0.0 ... 1760.0 °C	Accuracy	+/-1.0 °C (0.0 ... 1760.0 °C)
		Resolution	+/-1.0 °C (0.0 ... 1760.0 °C)
Type S (Pt10Rh-Pt) (Temperature)	32.0 ... 2500.0 °F	Accuracy	+/-1.0 °F (32.0 ... 2500.0 °F)
		Resolution	+/-1.0 °F (32.0 ... 2500.0 °F)
Type J (Fe-CuNi) (Temperature)	-200.0 ... 1000.0 °C	Accuracy	+/-1.0 °C (-200.0 ... -150.1 °C) +/-0.4 °C (-150.0 ... 150.0 °C)
		Resolution	+/-0.1 °C (-200.0 ... 1000.0 °C)
Type J (Fe-CuNi) (Temperature)	-330.0 ... 1832.0 °F	Accuracy	+/-1.0 °F (-330.0 ... -150.1 °F) +/-0.4 °F (-150.0 ... 300.0 °F)
		Resolution	+/-0.1 °F (-330.0 ... 1832.0 °F)
NTC (Temperature)	-40.0 ... 150.0 °C	Accuracy	+/-0.4 °C (-40.0 ... -10.1 °C) +/-0.2 °C (-10.0 ... 50.0 °C)
		Resolution	+/-0.1 °C (-40.0 ... 150.0 °C)
NTC (Temperature)	-40.0 ... 300.0 °F	Accuracy	+/-0.4 °F (-40.0 ... 14.0 °F) +/-0.2 °F (14.1 ... 58.0 °F)
		Resolution	+/-0.1 °F (-40.0 ... 300.0 °F)
Mechanical (rpm)	20.0 ... 20000.0 U/min	Accuracy	+/-0.0 U/min (20.0 ... 20000.0 U/min)
		Resolution	+/-1.0 U/min (20.0 ... 20000.0 U/min)
Mechanical (rpm)	20.0 ... 20000.0 rpm	Accuracy	+/-0.0 rpm (20.0 ... 20000.0 rpm)
		Resolution	+/-1.0 rpm (20.0 ... 20000.0 rpm)
Current/voltage measurement (Current 2)	0.0 ... 20.0 mA	Accuracy	+/-0.04 mA (0.0 ... 20.0 mA)
		Resolution	+/-0.01 mA (0.0 ... 20.0 mA)
Current/voltage measurement (Voltage AC)	0.0 ... 10.0 V	Accuracy	+/-0.01 V (0.0 ... 10.0 V)
		Resolution	+/-0.01 V (0.0 ... 10.0 V)
CO2 probe (Carbon dioxide)	0.0 ... 1.0 Vol. % CO2		
CO probe (Carbon monoxide)	0.0 ... 500.0 ppm CO	Accuracy	+/-5.0% of mv (0.0 ... 500.0 ppm CO)
CO2 probe (Carbon dioxide)	0.0 ... 10000.0 ppm CO2		

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