

Temperature Measuring Instrument (3-channel), Testo / IDL



testo 735-2, temperature measuring instrument (3-channel)

Precise temperature measuring instrument with measurement value store (10,000 values)
PC software and USB data transfer cable.

The instrument has a probe input for highly accurate Pt100 probes and two inputs for fast thermocouple probes. A system accuracy of 0.05 °C at a resolution of 0.001 °C is achieved using the highly accurate plug-in Pt100 immersion/penetration probe.

The measurement system is thus ideal for use as a working standard. Selectable user profiles, i.e. programming of the buttons adapted to the application, enable intuitive and fast operation.

testo 735-2, 3 channel temp. meas. instr., T/C Type K/T/J/S/Pt100, audible alarm, connection for max. 3 optional radio probes, with readings memory, PC software and USB data transmission cable, with battery and calibration protocol

Technical data:

Operating temperature: -20 to +50 °C
Storage temperature: -30 to +70 °C
Battery type: Alkali manganese, mignon, type AA
Protection class: IP65
Dimensions: 220 x 74 x 46 mm
Weight: 428 g
Housing material: ABS/TPE/Metal
Warranty: 2 years
Standard: EN 13485

Sensor type:	Pt100	K (NiCr-Ni)
Measuring range:	-200 to +800 °C	-200 bis +1370 °C
Accuracy ±1 digit:	±0.2 °C (-100 to +199.9 °C) ±0.2 % of mv (remaining range)	±0.3 °C (-60 to +60 °C) ±(0.2 °C + 0.3 % of mv) (remaining range)
Resolution:	0.05 °C	0.1 °C
Battery life:	Approx. 250 h	Approx. 300 h

Article	Order No.
testo 735-2, temperature measuring instrument (3-channel)	10 09 47352
Plug-in power supply unit 5 VDC 500 mA with Euro plug	81 09 40447
100–250 VAC, 50–60 Hz	

Accessories

Article	Order No.
Laboratory probe Pt100	10 09 47072
Glasscoated, exchangeable glass pipe (Duran), resistant to corrosive substances, fixed cable	
Measuring range:	-50 to +400 °C
Accuracy:	Class A (-50 to +300 °C), Class B (remaining range) ¹⁾
t ₉₉ :	45 sec, 12 sec without protective glass

Article	Order No.
Air probe	10 09 41773
Efficient, robust, Pt100, fixed cable	
Measuring range:	-50 bis +400 °C
Accuracy:	Class A (-50 to +300 °C), class B (remaining range)
t ₉₉ :	70 sec

Article	Order No.
Surface probe	68 09 20393
Fast-action, with sprung thermocouple strip, also for uneven surfaces, measurement range short-term to +500 °C, TC type K, fixed cable	
Measuring range:	-60 to +300 °C
Accuracy:	Class 2 ²⁾
t ₉₉ :	3 sec

Article	Order No.
Pt100 immersion/penetration probe	10 09 41273
Robust, waterproof, fixed cable	
Measuring range:	-50 to +400 °C
Accuracy:	Class A (-50 to +300 °C), class B (remaining range) ¹⁾
t ₉₉ :	12 sec

¹⁾ According to standard 60751, the accuracies of Class A and B refer to -200 to +600 °C (Pt100)

²⁾ According to standard EN 60584-2, the accuracy of Class 1 refers to -40 to +1000 °C (Type K), Class 2 to -40 to +1200 °C (Type K), Class 3 to -200 to +40 °C (Type K).

A probe always corresponds to only one accuracy class.

