

Temperature measuring instrument

Ex-Pt 720 – Highest security in
areas with danger of explosion

Ideally suited to applications in areas with danger of
explosion

Very high accuracy

Wide selection of probes

Your customized probe at short notice

Permits according to European and US norms

Including carrying strap



Ex-Pt 720 is a highly accurate measuring instrument for fast and exact temperature measurements in areas with danger of explosion up to Zone 0. The large measuring range and the precise four-wire technology make the Ex-Pt 720 the ideal measuring instrument for monitoring measurements.

The instrument is authorized according to European as well as US norms. A broad probe range already covers most applications, on request you can obtain your own customized probe at short notice.

The carrying strap and the simple and easy-to-read large display provide additional security on site.

Technical data / Accessories

Ex-Pt 720

Ex-Pt 720, temperature measuring instrument with holder strap, incl. battery and calibration protocol

Part no. 0560 7236



Sensor type Pt100

Measuring range	-50 to +400 °C
Accuracy ±1 digit	±0.2% of m.v. (+200 to +400 °C) ±0.2 °C (-50 to +199.9 °C)
Resolution	0.1 °C (-50 to +199.9 °C) 1 °C (+200 to +400 °C)

General technical data

Operating temperature	-10 to +50 °C
Storage temperature	-20 to +70 °C
Battery type	9 V, IEC 6LR61
Battery life	100 h
Dimensions	190 x 57 x 42 mm
Weight	200 g
Housing material	Housing: ABS, coated
Other features	°C/°F
Warranty	2 years

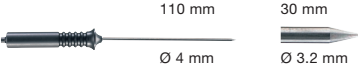



Accessories

Part no.

Accessories for measuring instrument

Case for measuring instrument and probes	0516 0210	
Service case for measuring instrument, probe and accessories, dimensions 454 x 316 x 111 mm	0516 1200	
Service case for measuring instrument and probe, dimensions 454 x 316 x 111 mm	0516 1201	
ISO calibration certificate/temperature for air/immersion probes, calibration points -18°C; 0°C; +60°C	0520 0001	
ISO calibration certificate/temperature meas. instr. with air/immersion probe; cal. points 0°C; +150°C; +300°C	0520 0021	
ISO calibration certificate/temperature meas. instr. with air/immersion probe; calibration points 0°C; +300°C; +600°C	0520 0031	
DAkkS calibration certificate/temperature meas. instr. with air/immersion probe; calibration points -20 °C; 0 °C; +60 °C	0520 0211	
DAkkS calibration certificate/temperature Meas. instr. with air/immersion probe; cal. points 0°C; +100°C; +200°C	0520 0221	
ISO calibration certificate/temperature meas. instr. with surface probe; calibration points +60°C; +120°C; +180°C	0520 0071	
DAkkS calibration certificate/temperature contact surface temperature probes; calibration points +100°C; +200°C; +300°C	0520 0271	

Probes

Probe type	Dimensions Probe shaft/probe shaft tip	Measuring range	Accuracy	t ₉₉	Part no.
Robust, water-proof immersion/penetration probe for Zone 1 and 2, PUR cable, Fixed cable 1.35 m	 <p>110 mm 30 mm Ø 4 mm Ø 3.2 mm</p>	-50 to +400 °C	Class A (-50 to +300 °C), Class B (remaining range) ¹⁾	12 s	0628 1232
Robust, water-proof surface probe for Zone 1 and 2, with widened measuring tip for flat surfaces, PUR cable, Fixed cable 1.35 m	 <p>140 mm Ø 4 mm Ø 9 mm</p>	-50 to +400 °C	Class B ¹⁾	40 s	0628 1932
Robust immersion/penetration probe (IP 65) for Zone 0, 1 and 2, stainless steel, FEP-insulated cable, usable up to +205 °C, IP 54 plug-in connection, Fixed cable 1.6 m	 <p>126 mm 15 mm Ø 4 mm Ø 3 mm</p>	-50 to +400 °C	Class A (-50 to +300 °C), Class B (remaining range) ¹⁾	10 s	0628 2232
Robust immersion probe (IP 67), for Zone 0, 1 and 2, stainless steel, FEP cable can be used at up to 205°C. Application: temperature measurement in petrol and oil tanks. Cable: 25 m long, Fixed cable 25.1 m	 <p>73 mm Ø 15 mm</p>	-50 to +400 °C	Class A (-50 to +300 °C), Class B (remaining range) ¹⁾	15 s	0628 2432

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

