



Intrinsically-Safe Sensor-Temperature Measuring Unit Ex-Pt 720

For accurate and easy measurement of temperature in Ex-hazardous areas up to Zone 0.

The simple operation enable flexible handling during measuring and easy using.

The large clearly-readable display enable a smooth reading of the measured value, which can be displayed in °C or °F. With the HOLD-function the measured value can be „frozen“ and inscribed in a diagramm. An automatic switch-off prevents for unnecessary battery-changing.

There are 4 different standard probes available. For customized solutions all standard probes can be also offered as special probes (different lenght and diameter).

- high accuracy
- handy size
- large digital display
- measurement from Zone I into Zone 0
- measurement range: -50 ... +400°C



Probes are not included in standard delivery.

Ex-Data:

Ex-designation:
 Ⓜ II 2 (1) G EEx ia IIC T4

EC-Certificate of conformity:
 TÜV 01 ATEX 1757 X

Operation:

- ON / OFF button, HOLD button
- °C / °F changeover
- Auto-Off after 10 min. (excl. HOLD)

Display:

- 3 digit
- large display
- LOW-batt. display
- sensor break detection

Standard delivery:

- Ex-Pt 720
- carrying strap
- battery
- instruction manual

Accessories:

- leather case
- immersion / insertion sensor
- surface sensor
- immersion probe for tank measurements

Special probes on request



Technical data:

Measuring sensor:	Pt 100 / 4 wire	
Measurement range:	-50°C ... +400°C	
Accuracy:	-50°C ... +199.9°C	+/- 0.2°C
(+/- 1 Digit)	+200°C ... +400°C	+/- 0.2% of rdg.
Resolution:	-50°C ... +199.9°C	0.1°C
	+200°C ... +400°C	1°C
System accuracy with immersion/ insertion sensor (+/- 1 digit)	-50°C ... +99.9°C	+/- 0.6°C
	+100°C ... +400°C	+/- 0.5% of rdg.
Operating temperature:	-10°C ... +50°C	
Storage temperature:	-20°C ... +70°C	
Unit dimensions:	190 x 57 x 42 mm	
Weight:	approx. 200 g with battery	
Power supply:	1 x IEC 6LR61 (9V battery block), type approved	
Operating time:	approx. 100h	
Protective rating:	IP 54	

Standard probes Ex-Pt 720

Immersion / insertion probe



Measurement range: -50°C ... 400°C
 Accuracy: Class A
 Ex-Zones: 2, 1
 Probe dimensions: 110 mm x 4 mm (w x ø)
 Sensor dimensions: 30 mm x 3.2 mm (w x ø)
 Response time (99%): 12 Sec.

Surface probe



Measurement range: -50°C ... 400°C
 Accuracy: Class B
 Ex-Zones: 2, 1
 Probe dimensions: 110 mm x 4 mm (w x ø)
 Sensor dimensions: 9 mm (ø)
 Response time (99%): 40 Sec.

Stainless-steel probe



Measurement range: -50°C ... 400°C
 Accuracy: Class A
 Ex-Zones: 2, 1, 0
 Probe dimensions: 125 mm x 4 mm (w x ø)
 Sensor dimensions: 15 x 3 mm (w x ø)
 Response time (99%): 10 Sec.

Immersion probe for tank measurements



Measurement range: -50°C ... 400°C
 Accuracy: Class A
 Ex-Zones: 2, 1, 0
 Probe dimensions: 235 mm x 25 mm (w x ø)
 Weight: 400 g (without cable)
 Response time (99%): 10 Sec.
 Cable: 25 m

Special probes Ex-Pt 720

Immersion / insertion probe

Measurement range: -50°C ... 400°C
 Accuracy: Class A
 Ex-Zones: 2, 1
 Probe dimensions: >50 mm x >4 mm (w x ø)
 Sensor dimensions: >30 mm x >3.2 mm (w x ø)
 Response time (99%): 12 Sec.

Stainless-steel insertion probe

Measurement range: -50°C ... 400°C
 Accuracy: Class A
 Ex-Zones: 2, 1, 0
 Probe dimensions: >50 mm x >4 mm (w x ø)
 Sensor dimensions: >15 x >3 mm (w x ø)
 Response time (99%): 10 Sec.

Surface probe

Measurement range: -50°C ... 400°C
 Accuracy: Class B
 Ex-Zones: 2, 1
 Probe dimensions: >50 mm x >4 mm (w x ø)
 Sensor dimensions: >9 mm (ø)
 Response time (99%): 40 Sec.

Immersion probe for tank measurements

Measurement range: -50°C ... 400°C
 Accuracy: Class A
 Ex-Zones: 2, 1, 0
 Probe dimensions: 235 mm x 25 mm (w x ø)
 Weight: 400 g (without cable)
 Response time (99%): 10 Sec.
 Cable: 1 ... 50 m