

# Ex-Pt 720

## CERTIFICATION

ATEX



⊕ II 2 (1) G Ex ia IIC T4

FM



I.S. Class I Division 1 Groups A-D T4  
Class 1 Zone 0 AEx ia IIC T4

## STANDARD DELIVERY

- Ex-Pt 720
- Carrying strap
- Battery
- User Manual
- Ex-Certificate
- EC-Declaration of Conformity

## Sensor-Temperature Measuring Unit **Ex-Pt 720** FOR ZONE 1

### FLEXIBLE HANDLING

The simple operation enables flexible handling during measurement.

The large clearly-readable display facilitates 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 diagram. An automatic switch-off prevents unnecessary battery discharge.

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

### OPERATION AND DISPLAY

- ON/OFF button, HOLD button
- °C/°F changeover
- Auto-Off after 10 min. (excl. HOLD)
- 3 digit large display
- Low battery display
- Sensor break detection

# MEASUREMENTS

## FROM ZONE 1 INTO ZONE 0







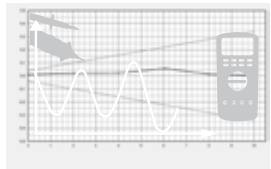
### FEATURES & FUNCTIONS

- High accuracy
- Handy size
- Measurement from Zone 1 into Zone 0
- Large digital display





# EX-Pt720

TECHNICAL DATA	
Ambient temperature	-10 °C ... +50 °C (+14 °F ... +122 °F)
Storage temperature	-20 °C ... +70 °C (-4 °F ... +158 °F)
Measurement range (general)	-50 °C ... +400 °C (-58 °F ... +752 °F) (in Ex-hazardous areas depending on temperature class)
Accuracy (+/- 1 Digit)	-50 °C ... +199.9 °C (-58 °F ... +392 °F) +/- 0.2 °C +200 °C ... +400 °C (+392 °F ... +752 °F) +/- 0.2 % of rdg.
Resolution	-50 °C ... +199.9 °C (-58 °F ... +392 °F) 0.1 °C +200 °C ... +400 °C (+392 °F ... +752 °F) 1 °C
System accuracy with immersion/insertion sensor (+/- 1 digit)	-50 °C ... +99.9 °C (-58 °F ... +212 °F) +/- 0.6 °C +100 °C ... +400 °C (+212 °F ... +752 °F) +/- 0.5 % of rdg.
Measuring sensor	Pt 100/4 wire
Power supply	1 x 6LR61 (9V battery block), type proofed
Operating time	approx. 100 h
Unit dimensions	190 x 57 x 42 mm
Weight	approx. 200 g with battery
IP protection class	IP 54

## ACCESSORIES

ARTICLE NO.	PRODUCT DESCRIPTION	
A0002805 	Leather case with belt clip	
A0002806 	Carrying strap with snap hook	
A0002807	DKD-calibration for immersion/insertion probe	
A0002808	WKS calibration for immersion/insertion probe	
A0002943	WKS calibration for surface probe	

# TEMPERATURE MEASUREMENTS IN POTENTIALLY EXPLOSIVE AREAS

STANDARD PROBES	
<b>IMMERSION/INSERTION PROBE</b> 	Accuracy: Class A Ex-Zones: 1 Probe dimensions: 110 x 4 mm (l x ø) Sensor dimensions: 30 x 3.2 mm (l x ø) Response time (99 %): 12 sec
<b>SURFACE PROBE</b> 	Accuracy: Class B Ex-Zones: 1 Probe dimensions: 140 x 4 mm (l x ø) Sensor dimensions: 9 mm (ø) Response time (99 %): 40 sec
<b>STAINLESS-STEEL PROBE</b> 	Accuracy: Class A Ex-Zones: 0 Probe dimensions: 125 x 4 mm (l x ø) Sensor dimensions: 15 x 3 mm (l x ø) Response time (99 %): 10 sec
<b>IMMERSION PROBE FOR TANK MEASUREMENTS</b> 	Accuracy: Class A Ex-Zones: 0 Probe dimensions: approx. 235 x 25 mm (l x ø) Weight: 400 g (without cable) Response time (99 %): 10 sec Cable: approx. 25 m

## SPECIAL PROBES

### Immersion/insertion probe

Accuracy:	Class A
Ex-Zones:	1
Probe dimensions:	>50 x >4 mm (l x ø)
Sensor dimensions:	>30 x >3.2 mm (l x ø)
Response time (99 %):	12 sec

### Surface probe

Accuracy:	Class B
Ex-Zones:	1
Probe dimensions:	>50 x >4 mm (l x ø)
Sensor dimensions:	>9 mm (ø)
Response time (99 %):	40 sec

### Stainless-steel insertion probe

Accuracy:	Class A
Ex-Zones:	0
Probe dimensions:	>50 x >4 mm (l x ø)
Sensor dimensions:	>15 x >3 mm (l x ø)
Response time (99 %):	10 sec

### Immersion probe for tank measurements

Accuracy:	Class A
Ex-Zones:	0
Probe dimensions:	235 x 25 mm (l x ø)
Weight:	approx. 400 g (without cable)
Response time (99 %):	10 sec
Cable:	1 ... 29.5 m

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