

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

The Ex-PT 720 is designed for easy and accurate measurements in explosion-endangered areas up to Zone 0.

The simple operation and the large clearly-readable display enable a wide field of application. The compact and light weight design allows for easy one handed operation.



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

- high accuracy
- handy size
- digital display
- Measurement from Zone 1 into Zone 0
- measurement range  
-50 ... +400°C / -58°F ... +752°F

**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

**Ex data:**

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

EC-Certificate of conformity:  
TÜV 01 ATEX 1757 X

**Standard delivery:**

Ex-Pt 720 with carrying strap

**Accessories:**

- leather case

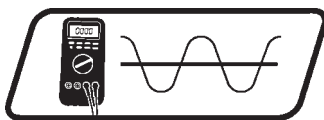
**Sensors on request**

- immersion sensor
- insertion sensor
- surface sensor

**Technical data:**

Measuring sensor:	Pt 100 / 4 wire		
Measurement range		-50° ... +400°C	-58° ... +752°F
Accuracy :	± 0,2°C	-50° ... +199,9°C	-58° ... +390°F
(± 1 Digit)	± 0,2% v. Mw.	+200° ... +400°C	+390° ... +752°F
Resolution:	0,1°C	-50° ... +199,9°C	-58° ... +390°F
	1°C	+200° ... +400°C	+390° ... +752°F
System accuracy with immersion/insertion sensor			
(± 1 Digit)	± 0,6°C	-50° ... +100°C	-58° ... +210°F
	± 0,5% v. Mw.	+50° ... +400°C	+210° ... +752°F
Operating temperature:		-10° ... +50°C	+14° ... 122°F
Storage temperature:		-20 ... +70°C	-5° ... 130°F
Unit dimensions:	190 x 57 x 42 mm		
Weight:	approx. 200 g with battery		
Power supply:	1 x standard 9V battery block (IEC 6LR61)		
Battery life:	approx. 100h		
Protective rating:	IP 54		





## Standard probes Ex-Pt 720

### Standard probe

0628 1232:



measurement range:	-50°C ... 400°C
accuracy:	class A
Ex-Zones:	2, I
probe dimensions:	110mm x 4mm (w x ø)
sensor dimensions:	30mm x 3,2mm (w x ø)
response time (99%):	12 Sec.

### Surface probe

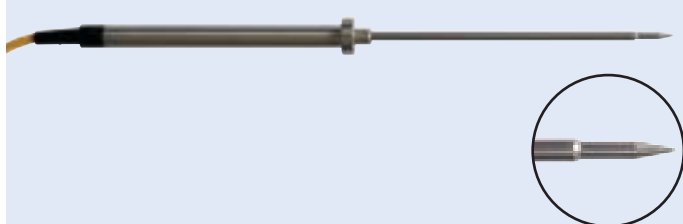
0628 1932:



measurement range:	-50°C ... 400°C
accuracy:	class B
Ex-Zones:	2, I
probe dimensions:	110mm x 4mm (w x ø)
sensor dimensions:	3,2mm (ø)
response time (99%):	40 Sec.

### Stainless-steel probe

0628 2232:



measurement range:	-50°C ... 400°C
accuracy:	class A
Ex-Zones:	2, I, 0
probe dimensions:	125mm x 4mm (w x ø)
sensor dimensions:	15 x 3mm (w x ø)
response time (99%):	10 Sec

### Drone Tank probe

0628 2432:



measurement range:	-50°C ... 400°C
accuracy:	class A
Ex-Zones:	2, I, 0
probe dimensions:	235mm x 25mm (w x ø)
wight:	400g (without cable)
response time (99%):	10 Sec
cable:	25 m

## Special probes Ex-Pt 720

### Immersion / insertion probe

0600 9999	measurement range:	-50°C ... 400°C
0628 1232:	accuracy:	class A
	Ex-Zones:	2, I
	probe dimensions:	>50mm x >4mm (w x ø)
	sensor dimensions:	>30mm x >3,2mm (w x ø)
	response time (99%):	12 Sec.

### Stainless-steel insertion probe

0600 9999	measurement range:	-50°C ... 400°C
0628 2232:	accuracy:	class A
	Ex-Zones:	2, I, 0
	probe dimensions:	>50mm x >4mm (w x ø)
	sensor dimensions:	>15 x >3mm (w x ø)
	response time (99%):	10 Sec.

### Surface probe

0600 9999	measurement range:	-50°C ... 400°C
0628 1932:	accuracy:	class B
	Ex-Zones:	2, I
	probe dimensions:	>50 mm x >4mm (w x ø)
	sensor dimensions:	>9 mm (ø)
	response time (99%):	40 Sec.

### Drone Tank probe

0600 9999	measurement range:	-50°C ... 400°C
0628 2432:	accuracy:	class A
	Ex-Zones:	2, I, 0
	probe dimensions:	235mm x 25mm (w x ø)
	wight:	400g (without cable)
	response time (99%):	10 Sec
	cable:	1 ... 50 m