



## Intrinsically-Safe Surface Temperature Measuring Device Ex-TP 20

Actual size



The Ex-TP20 is a reliable, robust temperature measuring device for use in Ex-hazardous areas. Meeting the needs and requirements that are demanded for optimum use, the device is capable of precise measuring up to +392°F (+200°C) and is certified for use in any classified Ex-zone (ATEX).

Compact in size, the device's robust housing provides an IP protection level of 65 and is designed to precisely read the surface temperature of a component within a temperature range of -40°F to +392°F (-40°C to +200°C).

Spring-mounted, the flexible silicon temperature measuring surface adjusts easily - even to rough surfaces - so that the temperature is transferred optimally into the Type K (NiCr-Ni) thermal converter.

The ergonomic design of the device makes single-handed use easy, with the simple control buttons enabling the temperature reading to be monitored on a constant basis or for the reading to be "held". Switching between C and F scale values is simple and the large display means that temperatures are easy to read - even in difficult conditions.

All of which goes to making the Ex-TP 20 the perfect device for use in mining, gas and dust-Ex zoned areas.

**The perfect handheld device for fast checking of surface temperatures of equipment and component parts in Ex-hazardous areas.**

- Quick and simple operation
- Compact and robust
- Energy-saving technology

- **Dust Ex-zone 20**
- **Gas zone 0**
- **Mining M 1**

**Application:**

**Chemical and pharmaceutical manufacture. Petrochemical and mining industries.**

**Temperature monitoring**

- on pumps and conveyors
- of surface temperature on components
- of ball bearing temperature on bearings

**Standard delivery:**

- Ex-TP 20
- including batteries
- operating instructions

**Ex-data:**

Ex designation:

Ⓜ II 1 GD EEx ia IIC T4

Ⓜ I M1 EEx ia IIC T4

EC-Certificate of conformity:

ISSeP 03 ATEX 036X

**Technical data and specifications:**

Operating range T <sub>a</sub> :	32°F.....+122°F (0°C.....+50°C)
IP protection:	IP 65
Dimensions:	6.5" x 2" x 0.8" (165 x 50 x 21 mm)
Weight:	approx. 3.5 oz (100g) (with batteries)
Sensor type:	TC type K
Measuring range:	-40°F.....+392°F (-40°C.....+200°C)
Reaction time:	approx. 15 sec.
Accuracy:	<2.7°F (< 1.5°C)
Resolution:	+/-2°F (+/-1°C)
Measurement application:	Contact measurement at max. 10° from the vertical
Battery operating time:	approx. 2000 hours
Batteries / power supply:	3 x LR03 by IEC, AAA