

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

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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 zone 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 I

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

Ex-data:

Ex designation:

⊕ II 1 GD EEx ia IICT4

⊕ I M1 EEx ia IICT4

EC-Certificate of conformity:

ISSeP 03 ATEX 036X

Standard delivery:

- Ex-TP 20
- including batteries

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 +200C and is certified for use in any classified Ex-zone.

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 -40C to +200C.

Spring-mounted, the flexible silicon temperature measuring surface adjusts easily - even to rough surfaces - so that

Technical data and specifications:

Operating range T _a :	0°C ...+50°C
IP protection:	IP 65
Dimensions:	165 x 50 x 21 mm
Weight:	approx. 100g (with batteries)
Sensor type:	TC type K
Measuring range:	-40°C ...+200°C
Reaction time:	approx. 15 sec.
Accuracy:	< 1.5°C
Resolution:	±1°C
Measurement application:	Contact measurement at max. 10° from the vertical
Battery operating time:	approx. 2000 hours
Batteries / power supply:	3 x LR03 AAA by IEC