

Ex-MP4 a

FOR QUICK TEMPERATURE MEASUREMENTS

The intrinsically-safe non-contact temperature measuring equipment Ex-MP4 a is a robust yet exceedingly handy and easy to use instrument for temperature measuring in ex-hazardous areas.

FEATURES

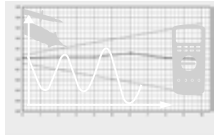
- Measuring range: up to +400 °C
- High accuracy
- Measurements from Zone 1 into Zone 0
- Simple operation
- Quick response time
- Laser target sighting

SCOPE OF DELIVERY

- Ex-MP4 a
- Battery
- Leather handle
- Wrist strap
- Documentation

EX DATA	
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ACCESSORIES

ARTICLE NO.	PRODUCT DESCRIPTION	
A0001151 	Leather handle	
A0001153	WKS-Calibration	



Non-Contact Temperature Meter Ex-MP4 a FOR ZONE 1

The benefits of non-contact-measurement

Moving objects

- increased safety when determining the temperature of fast moving objects
- no antennas mean that frictional heat cannot affect the measurement
- no mark or blemish is left on the object being measured

Response time

- fast and accurate. Pyrometers respond to emitted energy and are around 20 to 1000 times quicker than traditional direct contact thermometers.

Low maintenance and non invasive

- the temperature of the object being measured is not affected by the procedure

- non contact of the detector means no wear and tear.
- no fixing or fastening points required on either the object or equipment.

Hard to reach objects and moving materials

- the optics of the pyrometer are aimed at the object to be measured and with the laser sighting it is possible for both small and distant objects to be targeted
- hazardous and aggressive materials can be safely measured - and without fear of damaging the equipment
- the compact size of the pyrometer allows it to be used in even the most awkward positions, with only a clear line of sight to the target area being required
- voltage carrying objects can be measured without any danger
- with direct contact measurement, poor heat conduction or heat capacity of the object can prevent insufficient heat flow to a measuring device

TECHNICAL DATA

Operating temperature	0 °C ...+50 °C
Storage temperature (without battery)	-20 °C ...+65 °C
Temperature range	-18 °C ...+400 °C
Display resolution	0.2 °C
Target sighting	Laser (class 2)
Accuracy (at 23°C)	-18 °C ... -1 °C ± 3 °C -1 °C ... +400 °C ± 2 % (of reading) or ±2 °C, - whichever is greater
Repeatability	± 2 % of reading or ± 2 °C - whichever is greater
Response time	500 msec
Emissivity	0.95 preset
Optics D/L	= 1/8
Spectral response	7-18 µm
Relative humidity	10 to 95% r. H. at 30 °C (non-condensing)
Power supply	1x IEC 6LR61, type approved
Dimensions	~ 152 x 101 x 38 mm
Weight	~ 200 g