Intrinsically safe infrared thermometer

Ex-MP4 a

ecom
A PEPPERL+FUCHS BRAND

- Easily measure hard-to-reach objects
- Measurements of moving materials
- Measurements from Zone 1 into Zone 0
- Precise measurements with accuracy

Ex-MP4 a, Non-Contact Temperature Meter for Zone 1

Technical Data

General specifications	
Measurement range	
Temperature	-18 °C … 400 °C
Laser class	2
Indicators/operating means	
Display	
Resolution	0.2 °C
Electrical specifications	
Battery type	1 x 9V alkaline battery according to IEC 6LR61, type-tested
Function and system design	
Distance to measuring spot size	8:1 (D:S)
Measuring spot marking	Laser
Infrared range	7 ... 18 µm
Emissivity adjustment	fixed at 0.95
Measurement accuracy	
Accuracy	-18 °C … -1 °C ±3 °C, -1 °C … +400 °C ±2 % or ±2 °C of reading - whichever is greater
Response time	500 ms
Repeat accuracy	±2 % of reading or ±2 °C - whichever is greater
Ambient conditions	
Ambient temperature	0 ... 50 °C (32 ... 122 °F)
Storage temperature	-20 ... 65 °C (-4 ... 149 °F) , without batteries
Relative humidity	10-95% at 30 °C (non-condensing)
Mechanical specifications	
Mass	approx. 200 g
Dimensions	
W x H x D	152 mm x 101 mm x 38 mm
Data for application in connection with hazardous areas	
EU-type examination certificate	EPS 10 ATEX 1 242 X
Marking	Ⓔ II 2G Ex ia op is IIC T4 Gb
International approvals	
UKCA approval	
UKCA certificate	CML 21UKEX21055X
UKCA marking	II 2G Ex ia op is IIC T4 Gb

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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PEPPERL+FUCHS

Technical Data

General information

Scope of delivery	Ex-MP4 a Battery Leather grip Hand strap Documentation

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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