

PYROMETER – INFRARED THERMOMETER AMF-010

Pyrometer **AMF-010** is designed for fast, non-contact temperature measurements of object's surface and for measurements of hazardous or hard to reach objects.

The meter may be used: in food industry, automotive industry, chemical industry, refrigeration, for controlling of air conditioning and heating systems, for controlling work conditions and temperature monitoring in technological processes. It may be also used for temperature measurements of moving objects, hard to reach objects or hazardous objects like high voltage electric objects and for fire hazard detecting etc.

Characteristic features:

- Possibility of emissivity coefficient change depending on the measured surface (0.1 ÷ 1.0), what increases the measurement accuracy.
- Auto Hold function freezes the actual result on the display.
- Memory of 12 measurements results.
- Memory of Max and Min value.
- Function of automatic calculation of average value and difference between measurements.
- High and low temperature alarm after setting limits, signalled visually and by a sound.
- Backlight of the display, with possibility of switching it on and off.
- Auto power off function to save the batteries.
- Laser aiming.
- Possibility of choosing the measurement in °C or °F.
- Equipped with a plastic case.
- Warranty: 12 months.



TECHNICAL DATA

Temperature range	-50 °C ÷ 900 °C
Accuracy	0 °C ÷ 900 °C ± 1.5 °C or ± 1.5%; -50 °C ÷ 0 °C ± 3 °C whichever is greater
Resolution	0.1 °C or 0.1 °F
Repeatability	1% or 1 °C
Response time	500 msec. , 95% response
Spectral response	8 um ÷ 14 um
Emissivity	0,1 ÷ 1,0 (set 0.95 pre-set)
Distance to spot ratio	D:S = 12:1 (75 mm x 0.9m)
Operating temp.	0 °C ÷ 40 °C
Operating humidity	10 % ÷ 95 % RH
Storage temperature	-20 °C ÷ 60 °C
Power	9 V battery
Typical battery life	Non-laser mode: 22 h Laser mode: 12 h
Weight	220 g with battery
Dimension	175 mm x 100 mm x 49 mm

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