DIT-130

Indeks: WMXXDIT130

IR thermometer

Description

Temperature meters operating in the infrared are used to determine the temperature of the surface of the item. The optical system of the device detects the emitted, bounced and sent energy, which is collected and concentrated on the detector. Electronic system translates optical data into temperature value. In order to increase accuracy the laser pointer is built-in the device.

Technical Specification

IR temperature range

IR temperature range	D:S	Resolution	Accuracy	

-32...380°C -25,6...716°F	13:1	0,1°C 0,1°F	-32...-20°C -25,6...-4°F	±5°C ±9°F
			-20...200°C -4...392°F	±(1,5% m.v. + 2°C) ±(1,5% m.v. + 3,6°F)
			200...380°C 392...716°F	±(2,0% m.v. + 2°C) ±(2,0% m.v. + 3,6°F)

Type K temperature range

Type K temperature range	Resolution	Accuracy
-50...999,9°C -58...999,9°F	0,1°C 0,1°F	±(1,5% m.v. + 3°C) ±(1,5% m.v. + 5°F)
1000...1370°C 1000...2498°F	1°C 1°F	±(1,5% m.v. + 2°C) ±(1,5% m.v. + 3,6°F)

„D:S” - Distance (D) to Spot Size (S)
„m.v.”- measured value

Rated operational conditions:

- operating temperature: 0...+50°C
- storage temperature: -20...+60°C
- humidity: 10...90%

Other technical data:

- display LCD: segment with a backlight

- spectral response: 8~14µm
- emissivity: digitally adjustable from 0,10 to 1,0
- polarity: automatic, (-) sign for negative polarity
- diode laser: output <1 mW, wave length 630~670 nm, class 2 laser product
- power supply: 9 V battery, NEDA 1604 A or IEC 6LR61
- over range indication: LCD will show „-0L”, „0L”
- response time: below 1 second
- weight: 290 g
- dimensions: 190 x 111 x 48 mm

„CE” - comply with EMC