

MICRORAY NXT

Basic 8-14 µm portable pyrometer -
Ideal for HVAC applications

MicroRay NXT portable pyrometer measures temperatures from -60°C to 500°C. It is the ideal tool for diagnosis, inspection and control of areas difficult to reach (air conditioning systems, process and electrical maintenance, food safety - HACCP…) but where the temperature is a critical parameter and important for the proper functioning.

Description

MicroRay NXT portable pyrometer measures temperatures from -60°C to 500°C. It is the ideal tool for diagnosis, inspection and control of areas difficult to reach (air conditioning systems, process and electrical maintenance, food safety - HACCP…) but where the temperature is a critical parameter and important for the proper functioning.

- Easy handling with pistol grip
- Compact and light
- Short response time (500 ms)
- Large backlite LCD display
- Ultra-bright laser pointer
- Adjustable emissivity from 0.1 to 1.00 (Preset at 0.95)
- Input for thermocouple type K with universal MiniDin connector

Specifications

Temperature measurement

Item	Infrared temperature measurement	Measurement through thermocouple type K (probe not included)
Measurement range	-60 to +500 °C (-76 to +932 °F)	-64 to +1400°C (-83.2 to +1999°F)
Operating range	0 to +50°C (32 to +122°F)	
Accuracy (Tobj=15~35°C, Tamb=25°C)	±1.0°C (1.8°F)	±1% RDG or 1°C (1.8°F) whichever is greater (Test under Tamb = 23 ±6°C)
Accuracy (Tobj = -33~500°C, Tamb = 23 ± 3°C)	±2% RDG or 2°C (4°F) whichever is greater	
Emissivity range	Preset at 0.95 – Adjustable from 0.1 to 1 by .01 steps	
Resolution (-9.9~199.9°C)	0.1°C / 0.1°F, otherwise 1°C / 1°F	
Response time (90%)	1 sec	
Distance: spot	12:1	

General specifications

Size	175.2 x 39.0 x 71.9 mm (6.9 x 1.54 x 2.83 inch)
Weight	179 g (6.31 oz) including batteries
Batteries	2 x Alkaline batteries 1.5 V Battery life: 180 min

Environmental specifications

Operating range	0 to +50°C (32 to +122°F)
Storage conditions	-20°C à +65°C

Safety

Class	Compliant with EN 61010-1
Rating voltage	60 V

Models and accessories

Instruments:

Ordering code structure: MicroRay NXT- **B / X**

Please select the required options from tables A, B... below to define the right device reference.

MicroRay NXT MicroRay NXT

Standard packing includes:

- Instrument
- 2 x AAA batteries
- Instruction manual

Table B – Calibration report

0	None
EC	Factory traceable calibration report

Table X – Personal settings

ENG	English instruction manual
FRA	French instruction manual