



## MICRORAY NXT

Basic 8-14  $\mu\text{m}$  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<br>(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<br>(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<br>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  |