

## Infrared pyrometer IN12

Precision infrared pyrometer **IN12** is a low-cost, user-friendly thermometer featuring access to all controls using just one hand. Equipped with laser, the **IN12** is suitable for any type of non contact temperature measurement. The device is delivered with a certificate of conformity.

- **Temperature measurement from -32 to +400°C**
- **CE approval**
- **Designed for industry: Agro-foodstuffs, composite products, paper and wood industry, textiles, rubber and PVC, paint, glass, ceramics, public works, building, local authority utilities services, air conditioning**



## Specifications

<b>Detector</b>	Thermopile
<b>Measurement range</b>	-32 to +400°C
<b>Accuracy (<math>\epsilon=1</math>) (T° of use = 23°C)</b>	2% of measured value in °C + 1 digit or 2 K + 1 digit
<b>Reproducibility</b>	1% of the measured value in °C + 1 digit (23°C and $\epsilon = 0,95$ )
<b>Response time <math>t_{90/ms}</math></b>	300 ms
<b>Spectral band</b>	8 to 14 $\mu\text{m}$
<b>Emission factor</b>	95% (non adjustable)
<b>Display unit</b>	Liquid crystal
<b>Display resolution</b>	1 K
<b>Display lighting</b>	Adjusts automatically to ambient light
<b>Temperature display</b>	°C or °F. 3 digits, height 9 mm
<b>Compensated temperature</b>	Adjusted in relation to the ambient temperature
<b>Operating temperature</b>	0 to 55°C
<b>Storage temperature</b>	-20 to +70°C
<b>Degree of protection</b>	IP 20
<b>Power supply</b>	Standard 9 volt battery (Type IEC 6 LR 61 supplied)

## Functions

MAX/MIN/ $\Delta$ T/AVG	HOLD/s
No	10 s

**Laser sighting** Class 2  
Power < 1 mW, 650 nm  
If ambient temperature > 50°C, the laser automatically cuts off

**Lens aperture** 20mm

## Measurement distance

Measurement distance (in mm)	0	500	1000	2000
Measurement spot diameter (in mm)	20	60	100	220

**Case** ABS, class UL VO

**Camera stand attachment** UNC 1/4"

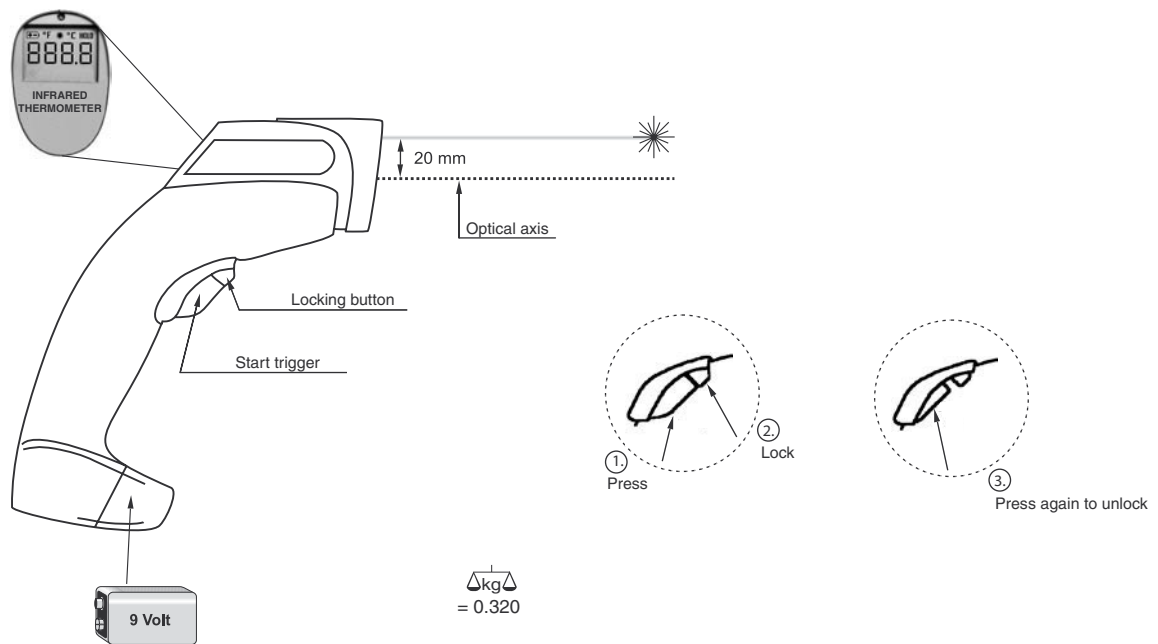
**Battery life** With laser : 25 hours  
Without laser : 80 hours

**CE approval** Valid EMV inspection

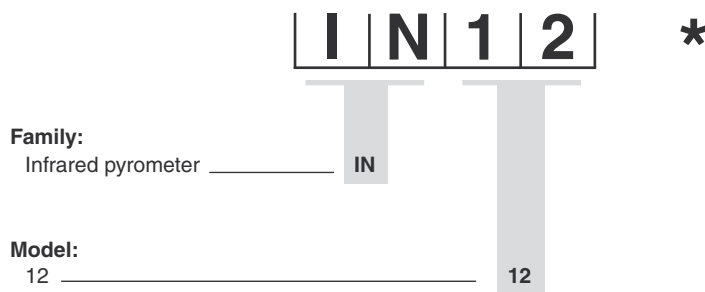
## Options

- Carrying case
- Calibration certificate
  - 1 measurement point at 200°C
  - 2 measurement points at 23 and 200°C
  - 3 measurement points at 23, 200 and 485°C

## Dimensions



## Coding



\* Uncoded options have to be listed after the code