

Infrared pyrometer IN14

Precision infrared pyrometer **IN14** is a low-cost, user-friendly thermometer featuring access to all controls using just one hand. Equipped with laser, the **IN14** is suitable for any type of non contact temperature measurement. The device is delivered with a certificate of conformity.

- **Temperature measurement from -32 to +500°C ; -32 to +600°C ; -32 +800°C**
- **Audible alarms**
- **CE approval**
- **Designed for industry: Agro-foodstuffs, composite products, paper and wood industry, textiles, rubber and PVC, paint, glass, ceramics**



Specifications

Detector	Thermopile
Measurement range	IN 141 : -32 to +500°C IN 142 : -32 to +600°C IN 143 : -32 to +800°C
Accuracy ($\epsilon=1$) (T° of use = 23°C)	2% of the measured value in °C + 1 digit
Reproducibility	1% of the measured value in °C + 1 digit
Response time t_{90/ms}	300 ms
Spectral band	8 to 14 µm
Emission factor	Adjustable 20 to 100%
Display unit	Liquid crystal
Display resolution	1°C
Display lighting	Adjusts automatically to ambient light
Temperature display	°C or °F Large display: 3 digit, height 9 mm Small display: 3 digit, height 4.5 mm
Compensated temperature	Adjusted in relation to the ambient temperature
Operating temperature	0 to 55°C
Storage temperature	-20 to +70°C
Degree of protection	IP 20
Power supply	Standard 9 volt battery (Type IEC 6 LR 61 supplied)

Functions

MAX/MIN/ΔT/AVG	HOLD/s
Yes	10 s

Memory/Value	IN 143 : Local memory of 20 measurements
Alarm function	IN 143 : High alarm
Laser sighting	Class 2 Power < 1 mW, 650 nm If ambient temperature > 50°C, the laser automatically cuts off
Lens aperture	IN 141 : 8 mm IN 142 : 15 mm IN 143 : 20 mm

Measurement distance

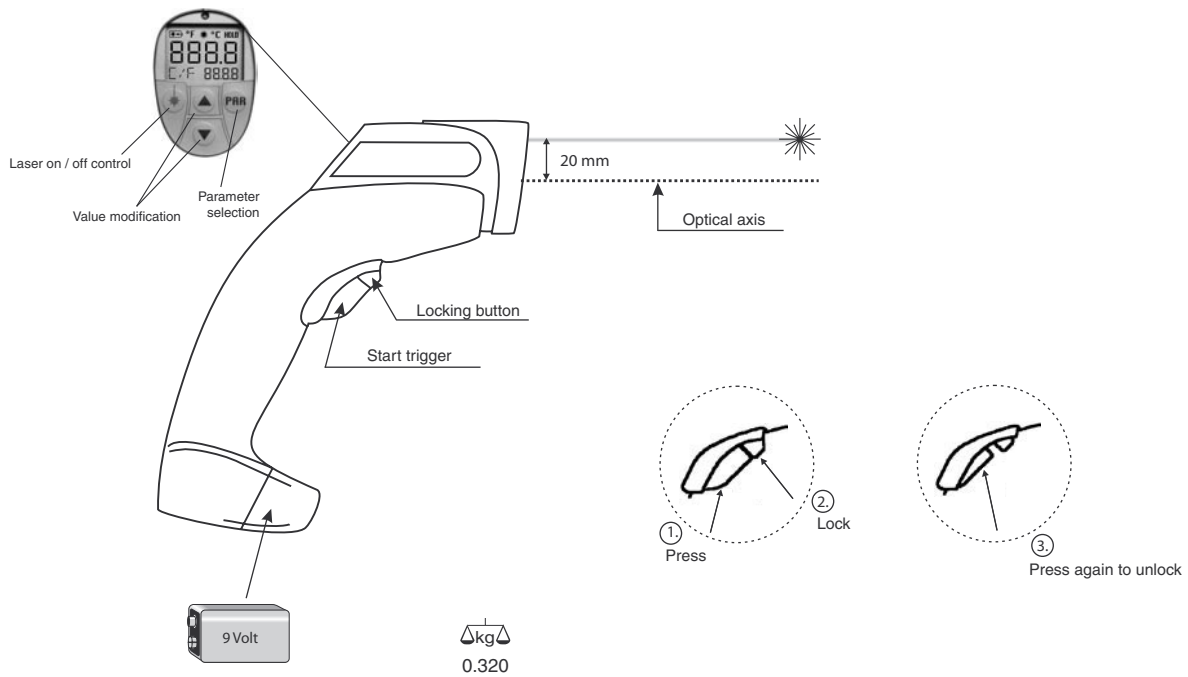
Measurement distance (in mm)	IN 141	IN 142	IN 143
	Measurement spot diameter (in mm)		
0	8	15	20
500	37	24	20
1000	66	33	20
2000	140	81	60

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

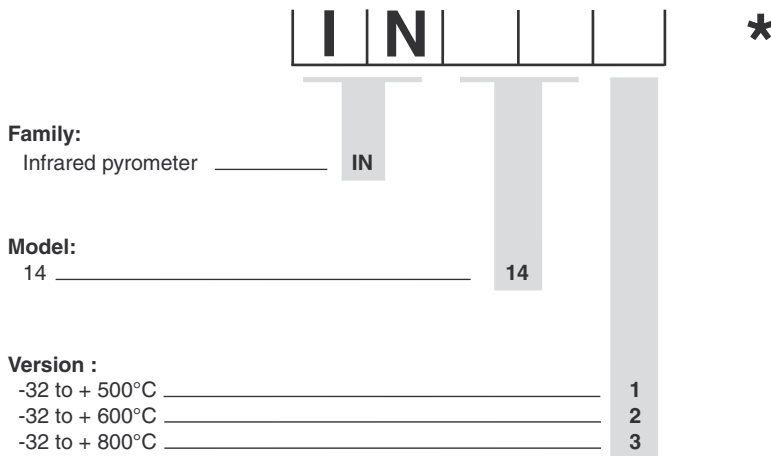
Options

- 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