

IN14 Infrared pyrometer

Temperature measurement
 from -32 to +500°C ; -32 to +600°C ;
 -32 to +800°C

Audible alarms

CE Conformity

Designed for industry: Agro-foodstuffs, composite products, paper and wood industry, textiles, rubber and PVC, paint, glass, ceramics.

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.



Specifications

Detector	Thermopile
Measurement range	IN 141 : -32 to + 500°C IN 142 : -32 to + 600°C IN 143 : -32 to + 800°C
Accuracy (ε = 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 < 1mW, 650nm 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

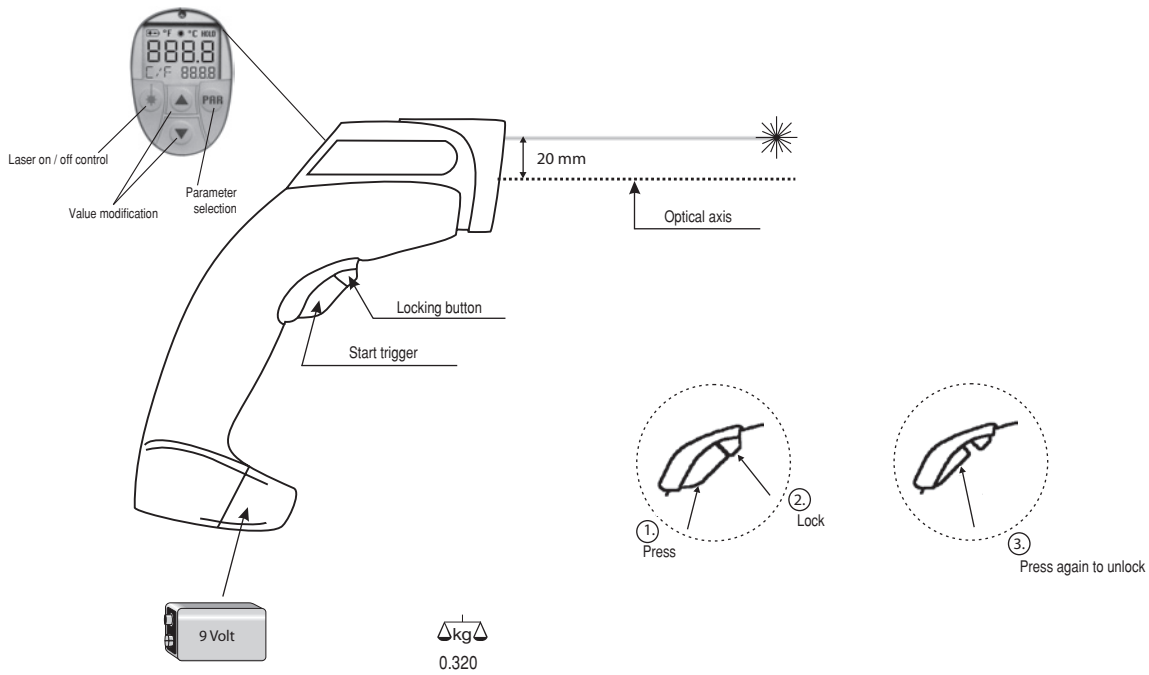
Measurement distance (en mm)	IN 141	IN 142	IN 143
	Measurement spot diameter (in)		
0	8	15	20
500	37	24	20
1000	66	33	20
2000	140	81	60

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



Baumer

Dimensions (mm)



Options

Carrying case

Calibration certificate :

1 measurement point at 200°C

2 measurement point at 23 and 200°C

3 measurement point at 23, 200 et 485°C

Ordering Details - IN14

		IN14*
Family	1' ... 2' digits	
Infrared pyrometer		IN
Model	3'... 4' digits	
14		14
Measurement range	5' digits	
-32 to +500°C		1
-32 to +600°C		2
-32 to +800°C		3

*Uncoded options have to be listed after the code

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