

# HT3305

Rel. 1.00 of 23/04/2018

## Infrared thermometer + temperature with type K probe

### 1. TECHNICAL SPECIFICATIONS

 Accuracy indicated as  $[\pm(\% \text{reading})]$  or  $\pm \text{degrees}$  referred to a temperature of  $23^{\circ}\text{C} \div 25^{\circ}\text{C}$  ( $73^{\circ}\text{F} \div 77^{\circ}\text{F}$ )

#### INFRARED TEMPERATURE MEASUREMENT

Function	Range	Resolution	Accuracy	Response time
°C	-50°C ÷ 20°C	0.1°C	±3.5°C	<150ms
	20°C ÷ 300°C		±(1%reading + 1°C)	
	300°C ÷ 1000°C		±(1.5%reading)	
°F	-58°F ÷ 68°F	0.1°F	±6.3°F	
	68°F ÷ 572°F		±(1% reading + 1.8°F)	
	572°F ÷ 1000°F		±(1.5% reading)	
	1000°F ÷ 1832°F	1°F		

Spectrum response:

 $8 \div 14 \mu\text{m}$ 

D/S ratio:

20:1

Emissivity field:

 $0.10 \div 1.00$ 

Reading repeatability:

 $-50^{\circ}\text{C} \div 20^{\circ}\text{C}$  ( $-31^{\circ}\text{F} \div 68^{\circ}\text{F}$ ) →  $\pm 1.8^{\circ}\text{C}$  ( $\pm 3.2^{\circ}\text{F}$ )

 $20^{\circ}\text{C} \div 1000^{\circ}\text{C}$  ( $68^{\circ}\text{F} \div 1832^{\circ}\text{F}$ ) →  $\pm 0.5\% \text{reading} \pm 0.5^{\circ}\text{C}$  ( $\pm 0.9^{\circ}\text{F}$ )

Laser pointer:

Class 2 (&lt;1mW, according with EN60825-1)

Over range indication:

"----" symbol at display

#### TEMPERATURE WITH TYPE K PROBE

Function	Range	Resolution	Accuracy (*)	Response time
°C	-50°C ÷ 20°C	0.1°C	±2.0°C	<150ms
	1000°C ÷ 1370°C	1°C	±(0.5%reading + 1.5°C) (0°C ÷ 1370°C)	
°F	-58°F ÷ 68°F	0.1°F	±3.6°F	
	1000°F ÷ 2498°F	1°F	±(0.5%reading + 3°F) (32°F ÷ 2498°F)	

(\*) Accuracy of instrument without probe

### 2. GENERAL SPECIFICATIONS

EMC:	IEC/EN61326-1:2006, IEC/EN61326-2:2006
Laser source:	IEC/EN60825-1, Class 2
Max operating altitude:	2000m
Fall test:	2m
Mechanical protection:	IP54
Display:	LCD Custom, 4 dgt with backlight
Power supply:	3x1.5V alkaline batteries type AA LR06
Auto power OFF:	after 10s' idling
Operating temperature/humidity:	0°C ÷ 50°C / 10% ÷ 90%RH
Storage temperature/humidity:	-10°C ÷ 60°C / <70%RH
Dimensions (L x W x H):	180 x 105 x 55mm
Weight (included batteries):	240g

**This instrument satisfies the requirements of EMC Directive 2014/30/EU  
This instrument satisfies the requirements of European Directive 2011/65/EU (RoHS) and 2012/19/EU  
(WEEE)**