

# HT3305

Rel. 1.00 of 23/04/2018

## Infrared thermometer + temperature with type K probe

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### 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 ÷ 14µm  
 D/S ratio: 20:1  
 Emissivity field: 0.10 ÷ 1.00  
 Reading repeatability: -50°C ÷ 20°C (-31°F ÷ 68°F) → ±1.8°C (±3.2°F)  
 20°C ÷ 1000°C (68°F ÷ 1832°F) → ±0.5%reading ±0.5°C (±0.9°F)  
 Laser pointer: Class 2 (<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 (-50°C ÷ 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 (-58°F ÷ 32°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 × 105 × 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)**