

# HT300 - HT3301 - HT3310

## INFRARED/CONTACT THERMOMETERS

The HT300, HT3301 and/or HT3310 models are portable digital thermometers which can perform contact and infrared temperature measurements in a very easy way. The model HT3301 can also save the measured results.

FUNCTIONS	HT300	HT3301	HT3310
Temperature with type K/J probe	•	only K	
Infrared temperature measurement		•	•
Measurement range with type K/J probe	200°C ÷ 1370°C (type K) -200°C ÷ 1050°C (type J)	-50°C ÷ 1370°C -58°F ÷ 2498°F	
Measurement range infrared mode		-50 ÷ 1050°C -58°F ÷ 1922°F	-50 ÷ 1000°C -58°F ÷ 1832°F
Resolution with type K/J probe	0.1°C / 0.1°F	0.1°C / 0.1°F	
Resolution infrared mode		0.1°C / 0.1°F	0.1°C / 0.1°F
Accuracy with type K/J probe (only meter)	±(0.05%rdg + 0.7°C) ±(0.05%rdg + 1.4°F)	±(1.5%rdg + 2.0°C) ±(1.5%rdg + 5°F)	
Accuracy infrared mode		±(1.5%rdg + 2.0°C) ±(1.5%rdg + 3.6°F)	±(1.5%rdg + 2.0°C) ±(1.5%rdg + 3.6°F)
Selection °C / °F units	•	•	•
Distance / Spot ratio for infrared mode		30:1	50:1
Class 2 laser pointer		•	•
Emissivity adjustment		•	•
Setting of thresholds alarms on measurements		•	•
Memory		(20 locations)	
Backlight LCD display		•	•
MAX/MIN	•	•	•
MAX/MN/DIF/AVG		•	•
Data HOLD	•	•	•
Relative measurement	•		
Power supply	1x9V battery 6F22	1x9V battery 6F22	1x9V battery 6F22
AutoPowerOFF	•	•	•
Dimensions (LxWxH)	130 x 56 x 38 mm	170 x 56 x 230 mm	100 x 56 x 230 mm
Weight (included batteries)	170g	290g	290g

ACCESSORIES	HT300	HT3301	HT3310
<b>Standard</b>			
Type K bead probe	•	•	
Carrying bag	•	•	•
Battery	•	•	•
User manual	•	•	•
<b>Optional</b>			
Type K probes	•	•	





## 1. TECHNICAL SPECIFICATIONS

Accuracy is given as [% of reading + degrees] at reference temperature  $18 \pm 24^{\circ}\text{C}$  ; < 80%.UR

### Infrared measurement

Feature	Range	Resolution	Accuracy	Response time
°C	-50°C ÷ -20°C	0.1°C	±5.0°C	<1s
	-20°C ÷ 200°C		± (1.5%rdg + 2.0°C)	
	200°C ÷ 538°C		± (2.0%rdg + 2.0°C)	
	538°C ÷ 1000°C		± (3.5%rdg + 5.0°C)	
°F	-58°F ÷ -4°F	0.1°F	±9.0°F	
	-4°F ÷ 392°F		± (1.5%rdg + 3.6°F)	
	392°F ÷ 1000°F		± (2.0%rdg + 3.6°F)	
	1000°F ÷ 1832°F		± (3.5%rdg + 9.0°F)	

Spectral response :

8 ÷ 14µm

D/S ratio:

50:1

Emissivity range:

0.10 ÷ 1.00

Sensor:

thermopile

Sighting:

Laser marker &lt;1mW (class 2)

## 2. GENERAL SPECIFICATIONS

Display:

backlight LCD Display.

Auto power off:

ca. 7s

Over range indication:

"OL" or "-OL".

Low battery indication:

"E" indication

Alarm thresholds:

High and Low limits

Features:

Data HOLD, MAX/MIN/DIF/AVG

Power supply:

1x9V battery type IEC6F22, or NEDA1604.

Battery life:

approx. 50hours (laser pointer and backlight turn off).

Operating temperature:

0°C to 50°C (32°F to 104°F).

Operating humidity:

below 80%RH.

Operating altitude:

up to 2000m

Storage temperature:

-10°C to 60°C (14°F to 140°F).

Storage humidity:

below 70%RH.

Dimensions (LxWxH):

100×56×230mm

Weight (included battery):

ca. 290g