

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

83

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

HT300
HA000300

HT3301
HA003301

HT3310
HA003310

宇宏企業股份有限公司

台北：三重區重新路五段 609 巷 16 號 5 樓之 7

TEL:02-22782269 FAX:02-22782059

新竹：新竹縣竹北市台元 26 號 4 樓之 10

TEL:03-552-6779 FAX:03-552-6739

<http://www.radiotek.com.tw/>

E-mail: salesmag1@radiotek.com.tw



HT3301

Rel. 1.00 of 23/01/2008

Infrared professional thermometer with type K probe

Pag 1 di 2

1. TECHNICAL SPECIFICATIONS

Accuracy is indicated as [% of readings + degree] at reference of: 18 ÷ 24°C ; < 80%HR

Infrared temperature measurements

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 ÷ 1050°C		± (3.5%rdg + 5.0°C)	
°F	-58°F ÷ -4°F	0.1°F	±9.0°F	<1s
	-4°F ÷ 392°F		± (1.5%rdg + 3.6°F)	
	392°F ÷ 1000°F		± (2.0%rdg + 3.6°F)	
	1000°F ÷ 1922°F		± (3.5%rdg + 9.0°F)	

Spectral response:

8 ÷ 14μm

Distance / Spot ratio:

30:1

Emissivity range:

0.10 ÷ 1.00

Sensor:

thermopile

Laser pointer:

<1mW (Class 2)

Temperature measurement with type K probe

Feature	Range	Resolution	Accuracy (*)	Response time
°C	-50°C ÷ 1000°C	0.1°C	± (1.5%rdg + 3.0°C)	<1s
	1000°C ÷ 1370°C		± (1.5%rdg + 2.0°C)	
°F	-58°F ÷ 2000°F	0.1°F	± (1.5%rdg + 5.0°F)	<1s
	2000°F ÷ 2498°F	1°F	± (1.5%rdg + 3.6°F)	

(*) The declared accuracy not include the errors of external type K probes connected at meter



宇宏企業股份有限公司

台北：三重區重新路五段609巷16號6樓之1

TEL:02-22782269 FAX:02-22782059

<http://www.fluke-tektronix.tw/>

新竹：新竹縣竹北市台元26號4樓之10

TEL:03-552-6779 FAX:03-552-6739

<http://www.radiotek.com.tw/>



HT3301

Rel. 1.00 of 23/01/2008

Infrared professional thermometer with type K probe

Pag 2 di 2

2. GENERAL INFORMATION

Display :	LCD with backlight
AutoPowerOFF:	about 7s
Over range indication :	"OL" or "-OL"
Low battery indication:	"  " symbol
Alarm thresholds:	High and Low limits
Features:	Data HOLD, MAX/MIN/DIF/AVG
Power supply:	1x9V battery type IEC 6F22, NEDA1604
Life battery:	about 50 hours (with laser pointer and backlight off)
Internal memory:	20 locations
Working temperature:	0°C to 50°C (32°F to 122°F)
Working humidity:	<80%HR
Storage temperature:	-20°C to 60°C (-4°F to 140°F)
Storage humidity	<70%RH
Max altitude:	2000m
Dimensions (LxWxH):	100×56×230mm
Weight (included battery):	ca 290g

OPTIONAL ACCESSORY (TYPE K PROBES)

Model	Accuracy	Response time	Range	Probe length (mm)	Probe diameter (mm)
TK107	± 2.2%rdg	4s	-40 ÷ 800°C	200	1.5
TK108					3
TK109					4
TK110			-40 ÷ 400°C	260	5
TK111					

