



## 1. TECHNICAL SPECIFICATIONS

Accuracy is given as [% of reading + degrees] at reference temperature 18 ÷ 24°C ; &lt; 80%.UR

### Infrared measurement

Feature	Range	Resolution	Accuracy	Response time
°C	-50°C ÷ 1000°C	0.1°C	±3.5°C (-50 ÷ 20°C) ±(1.0%rdg + 1.0°C) (20 ÷ 500°C) ±1.5%rdg (500 ÷ 1000°C)	150ms
°F	-58°F ÷ 1832°F	0.1°F	±6.3°F (-58 ÷ 68°F) ±(1.0%rdg + 1.8°F) (68 ÷ 932°F) ±1.5%rdg (932 ÷ 1832°F)	

Spectral response : 8 ÷ 14µm  
 D/S ratio: 50:1  
 Emissivity range: 0.10 ÷ 1.00  
 Sensor: thermopile  
 Sighting: Laser marker <1mW (class 2)

### Temperature with type K probe

Feature	Range	Resolution	Accuracy (*)
°C	-50°C ÷ 1370°C	0.1°C	±2.5°C (-50 ÷ 0°C) ±(0.5%rdg + 1.5°C) (0 ÷ 1370°C)
°F	-58°F ÷ 2498°F	0.1°F	±4.5°F (-58 ÷ 32°F) ±(0.5%rdg + 2.7°F) (32 ÷ 2498°F)

(\*) Accuracy of instrument without external probe

### Air temperature/humidity with internal sensor

Feature	Range	Resolution	Accuracy
Air temperature Dew point temperature Wet bulb	0°C ÷ 50°C (32°C ÷ 122°F)	0.1°C (0.1°F)	±0.5°C / ±0.9°F (10 ÷ 40°C) / (50 ÷ 140°F) ±1.0°C / ±1.8°F (other ranges)
Relative humidity	0 ÷ 100%RH	0.1%	±3%RH (40% ÷ 60%) ±3.5%RH (0% ÷ 40%) e (60% ÷ 80%) ±5%RH (80% ÷ 100%)

## 2. GENERAL SPECIFICATIONS

Display: 2.2" (320x240pxl LCD with backlight)  
 Resolution of camera: 3kB (640x480pxl)  
 Power supply: 1x3.7V battery Li-ION 1400mAh  
 Battery life: approx. 4 hours in continue measurement  
 External adapter: 100-240VAC 50/60Hz / 5VDC  
 Auto power OFF: programmable 3, 15, 60min and disable  
 Internal memory: 70MB (50kB/pic; video 3.1MB/min)  
 External memory: micro SD card (max 8GB)  
 Operating temperature: 0°C to 50°C (32°F a 122°F)  
 Operating and storage humidity: below 90%RH  
 Storage temperature: -10°C to 60°C (14°F to 140°F).  
 Dimensions (LxWxH): 205 x155x62mm  
 Weight (included battery): 410g