



## 1. TECHNICAL SPECIFICATIONS

Accuracy is calculated as  $\pm$ [values and/or reading]. It is referred to 25°C, <70%RH

### Air Temperature measurement with integrated sensor

Measurement unit	Range	Resolution	Accuracy
°C	-28.0°C ÷ 77.0°C	0.1°C	±2.0°C
°F	-20.0°F ÷ 170.0°F	0.1°F	±3.6°F

### Air/Moisture Humidity measurement

Range	Resolution	Accuracy (*)
0.0%RH ÷ 100.0%RH	0.1%RH	±3.0%RH

(\*) Relevant to the temperature range: 20°C ÷ 30°C (68°F ÷ 86°F)

### Infrared temperature measurement (IRT)

Measuring range	-50.0°C ÷ 200.0°C (-58.0°F ÷ 392.0°F)
Accuracy	$\pm 5^{\circ}\text{C} / \pm 9^{\circ}\text{F}$ (-50°C ÷ -20°C) / (-58°F ÷ -4°F) $\pm 2.0\% \text{rdg}$ or $\pm 2^{\circ}\text{C} / \pm 4^{\circ}\text{F}$ (-20°C ÷ -1°C) / (-4°F ÷ 31°F) $\pm 1.0\% \text{rdg}$ or $\pm 0.6^{\circ}\text{C} / \pm 1^{\circ}\text{F}$ (0°C / 32°F) $\pm 2.0\% \text{rdg}$ or $\pm 2^{\circ}\text{C} / \pm 3^{\circ}\text{F}$ (1°C ÷ 200°C) / (33°F ÷ 392°F)
Response time	<500ms
Resolution	0.1°C / 0.1°F
Emissivity range	0.95 (fixed)
Distance/Spot ratio	D/S = 8:1
Laser pointer	<1mW, class 2 compliance with IEC 60825-1

## 2. GENERAL SPECIFICATIONS

### Mechanical characteristics

Dimensions (L x W x H):	230 x 65 x 45mm (9 x 3 x 2in)
Length of external probe cable:	0.9m (3ft)
Weight (battery included):	250g (9ounces)
Air temperature sensor:	digital sensor
Mechanical protection:	IP40

### Features

Data HOLD, MAX/MIN, Internal memory: max 20 locations, bargraph, alarms, specific humidity

### Mains supply

Battery type:	1x9V alkaline battery IEC 6F22.
Battery life:	ca 16 hours (backlight ON), ca 45hours (backlight OFF)
Auto power OFF:	about 30 minutes of idleness

### Display

Double display:	4 LCD decimal point, sign and backlight
Updating speed:	3times/s

### Climatic conditions

Reference temperature:	25°C (77°F)
Operating temperature:	-10°C ÷ 50°C (14°F ÷ 122°F)
Operating humidity:	<90%RH (0°C ÷ 30°C); <75%RH (30°C ÷ 40°C), <45%RH (40°C ÷ 50°C)
Storage temperature:	-30°C ÷ 60°C (-14°F ÷ 140°F)
Storage humidity:	<90%RH
Max height of use:	2000m (6562ft)

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





# HTA107

Rel. 2.00 - 30/09/24

Air/Moisture thermohygrometer with IRT measurement

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WHERE  
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