

## 1. TECHNICAL SPECIFICATIONS

Accuracy is given as  $\pm$  [% of reading + values] at 25 °C, <70%RH

### TEMPERATURE WITH TYPE K PROBE

Range	Resolution	Accuracy (*)	Overload protection
-250°C ÷ 1372°C	0.1°C	$\pm(1\%rdg+ 1^{\circ}C)$ (T<-99.9°C) $\pm(1\%rdg+0.5^{\circ}C)$ (T $\geq$ -99.9°C)	60V DC 24V AC rms
-418°F ÷ 2502°F	0.1°F	$\pm(1\%rdg+ 1.8^{\circ}F)$ (T<-148°F) $\pm(1\%rdg+0.9^{\circ}F)$ (T $\geq$ -148°F)	

(\*) Accuracy is referred to the meter only without external probes

### TEMPERATURE WITH TYPE J PROBE

Range	Resolution	Accuracy (*)	Overload Protection
-200°C ÷ 1000°C	0.1°C	$\pm(1\%rdg+ 1^{\circ}C)$ (T<-99.9°C) $\pm(1\%rdg+0.5^{\circ}C)$ (T $\geq$ -99.9°C)	60V DC 24V AC rms
-328°F ÷ 1832°F	0.1°F	$\pm(1\%rdg+ 1.8^{\circ}F)$ (T<-148°F) $\pm(1\%rdg+0.9^{\circ}F)$ (T $\geq$ -148°F)	

(\*) Accuracy is referred to the meter only without external probes

### TEMPERATURE WITH TYPE T PROBE

Range	Resolution	Accuracy (*)	Overload Protection
-250°C ÷ 400°C	0.1°C	$\pm(1\%rdg+ 1^{\circ}C)$ (T<-99.9°C) $\pm(1\%rdg+0.5^{\circ}C)$ (T $\geq$ -99.9°C)	60V DC 24V AC rms
-418°F ÷ 752°F	0.1°F	$\pm(1\%rdg+ 1.8^{\circ}F)$ (T<-148°F) $\pm(1\%rdg+0.9^{\circ}F)$ (T $\geq$ -148°F)	


(\*) Accuracy is referred to the meter only without external probes

## 2. GENERAL SPECIFICATIONS

### Mechanical characteristics

Dimensions of instrument (L x W x H): 190 x 65 x 45mm; (7 x 3 x 2in)  
 Weight of instrument (including battery): 235g (8 ounces)  
 Mechanical protection: IP40

### Power supply

Battery type: 1 battery 9V NEDA 1604 IEC 6F22 JIS 006P.  
 Low battery indication: "  " symbol is displayed  
 Battery life: ca 50h (backlight ON), ca 210h (backlight OFF)  
 Auto power OFF: about 15 minutes of idleness

### Display

Characteristics: double 4 LCD, sign, decimal point and backlight  
 Sample rate: 3times/s

### Climatic conditions

Reference temperature: 25°C ; (77°F)  
 Operating temperature: 0°C ÷ 50 °C ; (32°F ÷ 122°F)  
 Operating humidity: <70%RH  
 Storage temperature: -10°C ÷ 60°C ; (14°F ÷ 140°F)  
 Storage humidity: <70%RH  
 Max height of use: (6562ft)

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)





# HTA103

Rel. 2.00 - 26/09/24

Professional thermometer with type K/J/T probes

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WHERE  
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