

Termómetros digitales profesionales de uno o dos canales

HT163 y HT165

Descripción



HT163 y HT165 termómetros digitales compactos se adaptan a diversas aplicaciones, dependiendo de la estructura base y de la sonda que se utilice. Estos modelos son capaces de realizar la medida en tiempo real y la posibilidad de efectuar registros de la temperatura para tiempos prolongados, tanto a través del PC, como de la propia memoria interna para luego volcar datos al PC. El Modelo HT165 tiene la posibilidad de utilizar simultáneamente dos sondas.

- Incluyen el software y el cable de conexión al PC.
- Campo de medida: $-200+1370^{\circ}\text{C}$
- Resolución: $0,1^{\circ}\text{C}$.
- Registro de datos.

HT163

Metel: HA000163

● TEMPERATURE MEASUREMENT

Range	Resolution	Accuracy
(-200 ÷ 200)°C	0.1°C	6(0.2% Reading + 1°C)
(200 ÷ 400)°C	1°C	6(0.5% Reading + 1°C)
(400 ÷ 1370)°C	1°C	6(0.2% Reading + 1°C)
(-328 ÷ -200)°F	1°F	6(0.5% Reading + 2°F)
(-200 ÷ 200)°F	0.1°F	6(0.2% Reading + 2°F)
(200 ÷ 2498)°F	1°F	6(0.5% Reading + 2°F)

Number of temperature sensor: 1 (T1)
Temperature coefficient

(0 ÷ 18)°C e (28 ÷ 50)°C

6(0.01% Lettura + 0.03°C)

6(0.01% Lettura + 0.06°F)

● FUNCTIONS

FUNCTION °C/°F	the default scale is the Celsius scale. Pressing °C/°F the corresponding Fahrenheit value will be displayed.
FUNCTION MAX/MIN	MAX: the instrument measure and shows the maximum value of the selected quantity. This value will be automatically update if a bigger value will occur MIN: the instrument measure and shows the minimum value of the selected quantity. This value will be automatically update if a lower value will occur MAX/MIN: the instrument measures and store the minimum and the maximum values of the temperature
FUNCTION HOLD	allows operator to hold the displayed digital value
FUNCTION ΔRel	allows operator to measure temperature using another temperature value as reference
FUNCTION REAL TIME	allows operator to transmit the value of the temperature to a PC connected with the instrument in real time.
FUNCTION RECORDER	allows operator to record the values of the temperature
FUNCTION AUTO POWER OFF	the instrument will power itself off after 30 minutes

● STANDARDS

Electromagnetic compatibility EN 50081-1
EN 50081-2
IEC584
The instrument complies with: EN 61010-1

● MECHANICAL FEATURES

Dimensions 184x64x x30mm
Weight (include battery) circa 210g
Digital output connector dimensions 3.5x1.35mm

● POWER SUPPLY

Battery type 1 battery x 9V NEDA 1604 IEC 6F22 JIS 006P
Battery life approx. 100 hours
Low battery indication one symbol of a battery is displayed when battery level is too low.

● DISPLAY

Characteristics 4 LCD
Sample rate 2.5 times/sec

● ENVIRONMENTAL WORKING CONDITIONS

Reference temperature 23° ± 1°C
Operating temperature 0° 4 50°C
Operating humidity < 80% RH
Storage temperature -10 4 60°C
Storage humidity < 80% RH
Altitude max 2000m

● TEMPERATURE SENSOR

Type of temperature sensor k
Number of temperature sensor 1

HT165

Metel: HA000165

● **TEMPERATURE MEASUREMENT**

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(-328 ÷ -200)°F	1°F	± (0.5% Reading + 2°F)
(-200 ÷ 200)°F	0.1°F	± (0.2% Reading + 2°F)
(200 ÷ 2498)°F	1°F	± (0.5% Reading + 2°F)

Number of temperature sensor: 2 (T1,T2)
Temperature coefficient

(0 ÷ 18)°C e (28 ÷ 50)°C ± (0.01% Lettura + 0.03°C)
± (0.01% Lettura + 0.06°F)

● **FUNCTIONS**

FUNCTION °C/°F	the default scale is the Celsius scale. Pressing °C/°F the corresponding Fahrenheit value will be displayed.
FUNCTION MAX/MIN	MAX: the instrument measure and shows the maximum value of the selected quantity. This value will be automatically update if a bigger value will occur. MIN: the instrument measure and shows the minimum value of the selected quantity. This value will be automatically update if a lower value will occur. MAX/MIN: the instrument measures and store the minimum and the maximum values of the temperature.
FUNCTION HOLD	allows operator to hold the displayed digital value.
FUNCTION ΔRel	allows operator to measure temperature using another temperature value as reference.
FUNCTION RECORDER	allows operator to record the values of the temperature.
FUNCTION AUTO POWER OFF	the instrument will power itself off after 30 minutes if no key operations.

● **STANDARDS**

Electromagnetic compatibility EN 50081-1
EN 50081-2
IEC584
The instrument complies with: EN 61010-1

● **MECHANICAL FEATURES**

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Reference temperature 23° ± 1°C
Operating temperature 0° 4 50°C
Operating humidity < 80% RH
Storage temperature -10 4 60°C
Storage humidity < 80% RH
Altitude max 2000m

● **TEMPERATURE SENSOR**

Type of temperature sensor k
Number of temperature sensor 2