

Hand Held Digital Thermometers Model HH4-TC

Measures temperature from all common thermocouples

Features

- Pushbutton calibration and setup
- Displays temperature in °C, °F or K
- 1°C or 0.1°C resolution
- Accepts thermocouple types :
B, E, J, K, N, R, S & T.
- Computer tested
- Rugged construction
- Peak hold or min hold function
- 9V 216 type battery supplied
- Padded carry case (optional)
- Programmable auto turn off
- 2 year guarantee

Wide range of probes

- Stab probes
- Surface probes
- Liquid probes



Description

The Intelligent HH4 Hand Held Digital Thermometers are designed and manufactured to provide rugged and reliable instruments for industrial applications.

The HH4 Digital thermometer is a general purpose temperature monitor which may be configured to accept inputs from all common thermocouples (B, E, J, K, N, R, S, and T). The instrument may be preset to display the temperature in °C, °F, or K (absolute) with a resolution of 1, or 0.1°

The HH4 range of instruments has been designed to allow the user to adjust the configuration and calibration easily, however the internal security button limits the access to authorised personnel.

An automatic *switch off* function has been integrated into the design to switch the instrument off after a programmable preset time period - thus increasing the battery life.

Specifications

Thermocouple types: B, E, J, K, N, R, S & T

Temperature range: B 400 to 1866°C,
E -100 to 1000°C
J -100 to 870°C, K -100 to 1372°C
N -100 to 1300°C, R -35 to 1768°C
S -35 to 1768°C, T -100 to 400°C

ADC Resolution: 1 in 20,000

Accuracy: Better than 1°C at 25°C

Linearity: Better than 0.5°C

Conversion method: Dual slope ADC,
4 samples per second.

Microprocessor: MC68HC05C8 CMOS

Ambient temperature: 0 to 50°C

Humidity: 5 to 95% non condensing

Display: LCD 4 digit 12.7mm

Power supply: 9V 216 type battery,
(Alkaline recommended)

Quiescent current: 10µA maximum

Operating current: 10mA maximum

PHYSICAL CHARACTERISTICS:

Case size: 80mm (W) x 145mm (L)
x 32 to 39mm(D)

Connections: Plug in mini
thermocouple socket

Weight: 250 gms including battery

ORDER CODE

HH4-TC-CU (fitted with universal copper socket to suit
type B, E, J, K, N, R, S or T)

HH4-TC-TJ (fitted with type J socket)

HH4-TC-TK (fitted with type K socket)

HH4-TC-TR (fitted with type R socket)

HH4-TC-TT (fitted with type T socket)

OPTIONS

CASE- HH-1 Padded carry case standard size 170 x
130 x 45mm