

# Printing Handheld Thermometer

HH1304P



- ✓ Accepts J, K, T and E Thermocouple Inputs
- ✓ Built-In Thermal Printer for Text and Printout
- ✓ High Accuracy
- ✓ Dual Input Features Minimum/Maximum and Differential Measurements
- ✓ 0.1 Resolution in °F/°C Over Full Range
- ✓ Programmable Time Interval Setting
- ✓ Hi/Lo Alarm Settings
- ✓ Externally Powered Alarm Driver Outputs
- ✓ Real-Time Clock
- ✓ Low Battery Indicator

TRODEX's compact and affordable HH1304P is ideal for applications requiring display and printing of temperature measurements. Dual input features min/max, hi/lo audible alarms (with externally powered alarm driver signals) and differential measurements. This 2-channel unit accepts Type J, K, T or E thermocouple inputs, thermometers has a high accuracy and 0.1° resolution. A built-in thermal printer makes hard copies of the temperature measurements, which can be taken at selected intervals. Parameters printed are time, date, temperature, and channel number. Battery powered or optional AC adaptor.

## Specifications

**Environment Conditions:** Altitude up to 2000 m (6562') indoor use only

**Relatively Humidity:** 90% maximum

**Operation Temperature:** 0 to 50°C (32 to 122°F)

**Display:** 4½ digit LCD

**Sampling Rate:** 1 reading per second

**Power Requirement:** Six 1.5V "AAA" alkaline batteries (included) or optional 9 AC adaptor, (9 Vdc, 500 mA minimum)

## Battery Life (Typical):

Approx 30 hours (interval printing = 60 minutes, excluding beeper)  
70 hours (without printing and beeper)

**Input Protection:** 60 Vdc/24Vrms

## Operating Temperature

**and Humidity:** 0 to 50°C (32 to 122°F) below 90% RH

## Storage Temperature and Humidity:

-10 to 60°C (14 to 140°F) below 70% RH

**Dimensions:** 193 L x 74 W x 37 mm H (7.60 x 2.91 x 1.46")

**Weight:** Approx 365 g (13 oz) with batteries and thermo-paper

**Printer:** Thermo-printing type with 16 characters per line using 38 mm width plain thermal paper

**Accuracy at 23°C, Below 80% RH:**

## Type K:

±(0.01% rdg + 0.5°C) 0~982°C  
±(0.05% rdg + 0.5°C) 982~1333°C  
±(0.01% rdg + 0.9°F) 32~1800°F  
±(0.05% rdg + 0.9°F) 1800~2431°F

## Type J:

±(0.01% rdg + 0.5°C) 0~760°C  
±(0.01% rdg + 0.9°F) 32~1400°F

## Type E:

±(0.01% rdg + 0.5°C) 0~703°C  
±(0.01% rdg + 0.9°F) 32~1297°F

## Type T:

±(0.01% rdg + 0.5°C) 0~400°C  
±(0.01% rdg + 0.9°F) 32~752°F

## Type K/J/E/T:

±(0.5% rdg + 0.7°C) -200~0°C  
±(0.5% rdg + 1.4°F) -328~32°F

## Type K/J/E/T:

±(0.5% rdg + 1.0°C) -200~0°C/  
-328~32°C

**Resolution:** 0.1°C/0.1°F

## Measurement Range:

**Type K:** -200~1333°C (-328~2431°F)

**Type J:** -200~760°C (-328~1400°F)

**Type E:** -200~703°C (-328~1297°F)

**Type T:** -200~400°C (-328~752°F)



Two type K thermocouples included.

HH1304P.

## To Order

Model No.	Description
HH1304P	Printing handheld thermometer

## Accessories (Field Installable)

Model Number	Description
HH1300-RP	Thermal paper, package of 2
HH1304P-ADAPTOR	AC adaptor

*Comes complete with 2 beaded wire Type K thermocouples (1 per input), alarm output cable, carry case, 6 "AAA" alkaline batteries, two rolls of thermal paper and operator's manual.*