

# Handheld 2-Channel Thermometer with Data Logging

TRODEKS®

HH147AU



- ✓ Thermocouple Types K, J, T, E, R, S, N
- ✓ Large Backlit LCD with 5-Digit Display
- ✓ Dual LCD Displays T1, T2 and T1-T2
- ✓ Max, Min, Avg, Time, Rel and Data Hold Functions
- ✓ Selectable °C/°F/°K Units
- ✓ Stores 300 Reading Manually
- ✓ Data Logging Capacity 14,000 Records
- ✓ Auto Power-Off with Disable Function
- ✓ Hi/Lo Audible Alarm Functions

The HH147AU is a 2-channel thermometer with data logging capabilities and a capacity of 14,000 records. It offers an wide array of value added features including: accepting 7 different thermocouple types, large backlit LCD with 5-digits, dual displays (T1, T2 or T1-T2) with the maximum reading of 9999.9, relative (REL) measurement, selectable °C/°F/K units, stores 300 readings manually, max/min/avg/time and data hold functions, auto power-off with disable function, and hi/lo audible alarm functions. A USB PC serial interface is also included for connection.

This unit can be used in a wide variety of applications:

## Applications

- ✓ Logistics
- ✓ Industrial
- ✓ Refrigeration
- ✓ Laboratory
- ✓ Ventilation
- ✓ Automotive
- ✓ Storage
- ✓ Agriculture
- ✓ Biotechnology
- ✓ Chemical Industry
- ✓ Food Processing
- ✓ Energy Management

## Specifications

*Accuracy is specified for ambient temperatures between 18 to 28°C (64 to 82°F).*

### Thermocouple Ranges:

- K Type:** -200 to 1372°C (-328 to 2501°F)
- J Type:** -210 to 1200°C (-346 to 2192°F)
- T Type:** -250 to 400°C (-418 to 752°F)
- E Type:** -210 to 1000°C (-346 to 1832°F)
- R/S Type:** 0 to 1767°C (32 to 3212°F)
- N Type:** -150 to 1300°C (-238 to 2372°F)

### Resolution:

- K / J / T / E / N Type:** 0.1
- R/S Type:** 1



HH147AU, shown smaller than actual size.

### Accuracy:

- K / J / T / E / N Type:** ±(0.05% rdg, 0.7°C/1.4°F)  
-250 to -100°C (-418 to -148°F)
- ±(0.05% rdg, 0.6°C/1°F) -100 to 1372°C (-148 to 2501°F)
- R/S Type:** ±(0.05% rdg, 2°C/4°F) 0 to 1767°C  
(32 to 3212°F)

**Temperature Coefficient:** 0.01% 0.03°C of read value/°C (0.06°F/°F) outside 18 to 28°C (64 to 82°F) specified range [Under -100°C (-148°F): 0.04% of read value added to K, J, T, E, and 0.08% read value added to N]

**Temperature Scale:** ITS-90

**Battery Life:** Approximately 100 hours

**Operation and Storage Temperature and Humidity:**  
0 to 50°C (32 to 122°F), < 80% RH

**Dimensions:** 155 L x 56 W x 40 D mm (6.10 x 2.20 x 1.57")

**Weight:** Approximately 170 g (0.37 lb)

**USB PC Serial Interface:** Windows® XP/7/8/10

*\* The above specifications do not include error of thermocouple*

To Order	
Model No.	Description
HH147AU	2-channel thermometer with data logging

*Comes complete with 9V battery, soft carrying case, 2 type K T/C's, power adapter, USB cable, CD and operator's manual.*