Dual Input Logging Thermometer

UEi TEST iNSTRUMENTS™

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DT302

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Dual Input Digital Temperature Data Logger

CE

Functions

- Dual thermocouple input
- Temperature range: using J-Type -346° to 2192°F (-210° to 1200°C)
- Temperature range: using K-Type -328° to 2498°F (-200° to 1370°C)
- Temperature range: using T-Type -418° to 752°F (-250° to 400°C)
- Temperature range: using E-Type -238° to 1832°F (-150° to 1000°C)
- Differential T1-T2

Features

- Data logging
- 9,999 Memory positions
- USB interface (software included)
- Thermocouple temperature offset
- Min/Max/Avg/Hold
- Probe storage
- Accepts J, K, T and E type probes
- 5-Year limited warranty

Includes

- K-Type temperature probes 2 (ATT39)
- Batteries 2 (AAA)
- Quick start guide
- Software
- Manual (DT301/302-MAN)

Applications

- Measure surface or ambient temperatures
- Measure liquid temperatures
- Log measured temperatures

Specifications

Measurement Range	J-Type: -346° to +2192°F (-210° to +1200°C) K-Type: -328° to +2498°F (-200° to +1370°C) T-Type: -418° to +752°F (-250° to +400°C) E-Type: -238° to +1832°F (-150° to +1000°C)
Display Resolution	0.1°F/°C < 1000° 1.0°F/°C ≥ 1000°
Accuracy	J, K, T, and E-Type; ±[0.1% +1.0°F (0.5°C)] [Below -148°F (-100°C): add 0.2% of reading for J, K, and E-Type; and 0.1% of reading for T-Type]
Temperature Coefficient	0.01% of reading 0.1°F per°F(+0.05°C per°C) for <+64°F (+18°C) or +82°F (+28°C) [Below -148°F (-100°C): add 0.05% of reading for J, K, and E-type; and 0.1% of reading for T-type]
Real Time Clock Tolerance	About 1 second per day
Maximum Differential Common Mode Voltage	1V (maximum voltage difference between any pair of inputs)
Temperature Scale	ITS-90 (International Temperature Scale of 1990)
Applicable Standards	N.I.S.T. Monograph 175 revised to ITS-90
Dimension	7.20" (H) x 3.70" (W) x 1.70" (D)
Weight	Approx. 16.2 oz
Battery	2 x LR03 (AAA) type 1.5V
Certification	CE
Safety	IEC 1010-1 (2001), UL 3111-1 (6, 1994), EN 61010-1 (2001), CSA C22.2 No. 1010.1 (1992)
CAT I	Over Voltage (Installation) CATEGORY I, Pollution Degree 2 per IEC 1010-1
Compliance	IEC 60529: IP67 (Ingress Protection rating) Water Immersion (3' up to 30 min) No ingress of dust (20mBar up to 8 hrs.)

Accuracy is specified for ambient temperatures between 64°F (18°C) and 82°F (28°C) for a period of 1 year. The above specifications do not include thermocouple error.

Calibration
The Apollo Digital Thermometer's annual calibration, starting one year after purchase, is recommended to ensure that the thermometer performs to its accuracy specifications. To calibrate the thermometer, contact your nearest UEi distributor or UEi Service Center at 1-800-547-5740.

Downloads

Manual

Data Sheet

H26-748

Made in KOREA