

PROVA 800

8 Input Thermometer / Datalogger

Features

- 8 input temperature measurement/logging (°C/°F)
- Graphic display of each input
- 11 types of thermocouple (K, J, E, T, R, S, N, L, U, B, C)
- Easy thermocouple mini connector
- Basic accuracy 0.05% ± 1°C (K type)
- Sampling rate: 1 sec. / 8 inputs
- Programmable Hi-Lo alarm for 8 inputs
- Display of max and min values of 8 inputs
- Standard 2G SD memory card (stores 3.8-year data)
- Optional 8G SDHC memory card
- SD card directly read by PC
- Easy data file management (Read and Delete functions)
- Built-in calendar clock
- Independent Input Setup (type of thermocouple, Hi-Lo alarm values, name of Engineering Unit)
- Isolated Input Protection of 350Vp-p between any two inputs
- Programmable Engineering Unit (E.U.) to integrate Analog Output (-50 to 50 mV) from instruments (e.g. Sound level meter, Humidity meter, Current adaptor)
- Screen hardcopy into files
- Paperless Recorder



General Specifications

Battery Type	1.2V AA alkaline batteries x 8
AD Adaptor	110V or 220V input, DC 12V / 300mA output
Dimension	257(L) x 155(W) x 57(H) mm 10.1" (L) x 6.1" (W) x 2.2" (H)
Weight	1160g / 40.9oz (Batteries included)
Operation Environment	0°C ~ 50°C, 85% RH
Storage Environment	-20°C ~ 60°C, 75% RH
Accessories	User manual x 1, 1.2V AA alkaline batteries x 8 AC adaptor x 1, USB cable x 1 Software CD x 1, Software manual x 1 SD card (2GB) x 1, Carrying bag x 1 K-type thermocouples: 1Mx6pcs.; 3Mx1pc.; 5Mx1pc.
Option	SDHC card (8GB)



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Applications

Temperature Distribution/Profile Analysis

- PCB Reflow, and Reflow Oven
- Temperature & Humidity Chamber
- Environmental Test Chamber
- Burn In Room (e.g. Motherboard)
- Thermal Shock Tester
- Aging Test Oven
- Metal Heating Machine
- Automotive Air Conditioning, Engine Compartment
- Air Conditioning, Refrigeration, Ventilation
- Bakery Oven (Food Industry)
- Welding
- Metal Thermal Treatment (e.g. Annealing)

Temperature Control Analysis

- Environmental Test Chamber
- Temperature Controller
- Plastic Injection Molding Machines: Temperature Distribution, Process Temperature
- Long-term record and monitor of Humidity, Wind velocity and Temperature (e.g. Preservation by Low Temperature)
- Environmental Protection: Study of Noise, Air quality and Environment

Electrical Specifications (23°C ± 3°C) (0.1°C, 0.1°F Resolution, Accuracy is of reading.)

Type	°C		°F	
	Range	Accuracy	Range	Accuracy
K	-200 ~ -100	±2.0°C	-328 ~ -148	±3.6°F
	-100 ~ 1370	±0.05% ±1.0°C	-148 ~ 2498	±0.05% ±1.8°F
J	-200 ~ -100	±2.5°C	-328 ~ -148	±4.5°F
	-100 ~ 100	±1.5°C	-148 ~ 212	±2.7°F
	100 ~ 1000	±0.05% ±1.0°C	212 ~ 1832	±0.05% ±1.8°F
E	-150 ~ -100	±2.0°C	-238 ~ -148	±3.6°F
	-100 ~ 760	±0.05% ±1.0°C	-148 ~ 1400	±0.05% ±1.8°F
T	-200 ~ -100	±1.5°C	-328 ~ -148	±2.7°F
	-100 ~ 400	±0.1% ±0.5°C	-148 ~ 752	±0.1% ±0.9°F
R/S	0 ~ 100	±5.0°C	32 ~ 212	±9.0°F
	100 ~ 300	±3.0°C	212 ~ 572	±5.4°F
	300 ~ 1600	±0.05% ±2.0°C	572 ~ 2912	±0.05% ±3.6°F
N	0 ~ 1300	±0.1% ±1.0°C	32 ~ 2372	±0.1% ±1.8°F
L	-200 ~ 900	±0.1% ±1.0°C	-328 ~ 1652	±0.1% ±1.8°F
U	0 ~ 600	±0.1% ±1.0°C	32 ~ 1112	±0.1% ±1.8°F
B	600 ~ 1820	±0.05% ±2.0°C	1112 ~ 3308	±0.05% ±3.6°F
C	0 ~ 2310	±0.1% ±1.5°C	32 ~ 4190	±0.1% ±2.7°F
mV	-50 ~ 50	±0.05% ±20 μV	-50 ~ 50	±0.05% ±20 μV

<http://www.tes.com.tw>

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