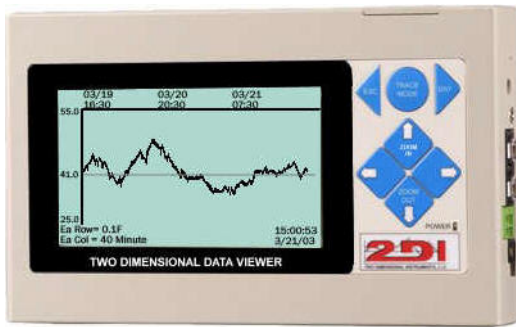




Specifications:

TDVD-05 ThermaViewer™ K-Type Thermocouple Probes



- Stores and displays the temperature history
- Two thermocouple probes w 20 foot cables
- Large LCD display shows temperature chart
- Zooms out to show ten months of temperatures
- Trace mode to highlight individual temperatures
- Scrolls through previous temperatures
- Serial port to download data

Specifications

Size: 8 3/8" x 5" x 1 3/8"

Display: Various user selectable graphic presentations.

Display Resolution: .1 Degrees on LCD display .0001 on PC (stored as 14 digit number)

Probe type: Thermistor sensor on 20' cable

LCD Size: 2.5" x 4.5" Graphic Display.

LCD Pixels: 240 Horizontal, 128 Vertical.

LCD Temperatures: 32°F to 122°F operating. -4°F to 154°F non-operating.

LED: Green – indicates AC power present

Sample Interval: User selectable: 15 sec - 60 min

Data Storage Technique: Battery Backed-Up SRAM

On Board RAM: 256k

Data Stored: 43,004 samples per channel.

Number of Channels for temperature only sensors: 2

Sensor Temperature Range: K Thermocouple: -200°C to 1250°C ($\pm 1.5^\circ\text{F}$ CJC Typical)¹.



PDI-3 Thermocouple Probe



The type K TC is

-200°C to -74°C ± 2%

-168°C to +285°C ± 4°

+285°C to +816°C ± .75%

+816°C to 1250 °C ± 1.75%¹

Calibration: Optional NIST traceable.

Characterization: On-board one point table accessed through the menu system.

Power: 12vac/dc 50/60hz (wall transformer) with emergency 9vdc battery backup.

Battery Backup: >48 hours with auto sleep mode set at 15 seconds and display asleep.

Output to PC: RS 232 (Com port) via custom cable (DB9 to audio style plug).

PC Software: TView - Includes with automatic and batch downloading. Site license.

Indicators: LCD & LED.

Controls: Seven buttons on membrane switch.

User Settings: Via onboard menu system.

Relay: Passive (dry contact) 2 terminal clamp <30 volts, (fused for .1 amp).

Alarm Conditions: min, max, rate of change of temperature.

Weight of display unit: 1 lb.

Shipping weight: 4.5 lbs with power adaptor, sensors, cables, battery, and users guide.

¹ CJC = *cold junction compensation*

[ThermaViewer Users Guide](#)