



## Specifications:

# TDVD-02 ThermaViewer™

## ± 0.2°C (± 0.1°C option) Thermistor Probes



- Stores and displays 10 month temperature history
- Two thermistor probes w 20 foot cables
- Trace mode to highlight individual temperatures
- Scrolls through temperatures
- Serial port to download data

## The Numbers:

**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:** Thermistor-Plastic enclosure: -40°C to 75°C (±0.2°C)<sup>1</sup>

**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.



PDI-2 Thermistor Probe



**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.

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<sup>1</sup> **Stability:** YSI thermistors are chemically stable and not significantly affected by aging or exposure to strong nuclear radiation. The table below shows typical stability for a representative thermistor.

Operating Temperature	Typical Thermometric Drift	
	10 Months	100 months
0°C	<0.01°C	<0.01°C
25°C	<0.01°C	<0.02°C
100°C	0.20°C	0.32°C
150°C	1.5°C	not recommended