

Wireless Ethernet Temperature Data Logger



- >> Measure and Record 2 Temperature Readings Using External Sensors
- >> -40°C to 110°C Temperature Recording Range with $\pm 0.3^{\circ}\text{C}$ Temperature Accuracy
- >> Configure, Setup and Manage Data Loggers over an Internet Connection and Browser
- >> T&D WebStorage Service, WebViewer and Current Readings Monitor Software Included
- >> Stores up to 8,000 Sets of Recorded Readings onto Internal Non-Volatile Memory
- >> User-Configurable Sampling Rate: 1 Second to 1 Hour
- >> Email Alarm Notifications and Optional External Contact Terminal for Electromagnetic Contactor

- >> AC Powered with Battery Backup for Power Failures and Emergency Use Only
- >> Automatic Sending of Measured Readings via FTP or E-mail

Ethernet Temperature Data Logger Specifications

Measurement	Temperature Using (2) External Thermistor Sensor (#TR-0106)
Temperature	<u>Range:</u> -40°C to 110°C <u>Accuracy:</u> $\pm 0.3^{\circ}\text{C}$ (-20°C to 80°C); $\pm 0.5^{\circ}\text{C}$ (Other) <u>Resolution:</u> 0.1°C <u>Response Time:</u> About 190 Seconds to 90% <u>Thermal Time Constant:</u> About 75 Seconds
Data Storage Capacity	8,000 Samples/Readings
Alarms	High and Low Threshold Alarm Conditions with Email, Notification and External Contact Output Terminal for Buzzer, Siren, Lamp, or Electromagnetic Contactor
External Output Terminal	Alarm Output Terminal <u>Voltage When OFF:</u> AC/DC less than 50 Volts <u>Voltage When ON:</u> Less than 0.1 Amp <u>Resistance When ON:</u> About 35 Ω
Sampling Interval	1,2,5,10,15,20,30 Seconds / 1,2,5,10,15,20,30,60 minutes (Total of 15 Choices)
Recording Mode	<u>Endless:</u> Overwrite Oldest Data when Capacity is Full
LCD Display Items	Current Readings / Recording Settings / Battery Life Warning / Over Measurement Range Warning / Amount of Recorded Data
Power	AC Adaptor (#AD-0638 - Included) Battery Backup: CR-2032 Lithium Coin Cell (Included) NOTE: Battery is for Data Backup During Power Failure and Emergency Use Only. No Network Communications Available During Battery Operation.
Data Backup	Approx. 3 Months on Battery Only
Communication Protocols	HTTP, SMTP, FTP, SNMP, DHCP and DNS NOTE: SMTP Options: POP before SMTP, SMTP-AUTH
Communication Types	<u>Wireless LAN:</u> Wireless Antenna IEEE 802.11b/g WEP/WPA-TKIP/WPA-2-AES <u>USB:</u> Cable Attached from Computer to Data Logger - For Setup Only
OS Compatibility	Windows 8 and 7 (32-bit and 64-Bit Versions), Vista and XP (32-Bit)

	NOTE: For Windows 8, Software Should Be Used in "Desktop" Mode Only
Supported Browsers	Desktop: IE 6.0+, Firefox 15.0+, Chrome 22.0+, Safari 6.0+ Mobile: Safari (iOS); Chrome (iOS, Android), Firefox (Android)
Operating Environment	Temperature: -10°C to 60°C Humidity: 90% RH or Less (No Condensation)
Monitoring Functions	WebViewer: View Data Graphs, Current Readings and Settings in Browser T&D WebStorage Service: "Anytime, Anywhere" Complete Management of Recorded Data and Data Logger Current Readings Monitor: Management of Current Readings of all Registered Devices on Same Network Mobile Devices: WebViewer Software and T&D WebStorage Service compatible with Smart Phones and Tablets
Standards Compliance	CE, FCC
Dimension	55mm x 78mm x 37mm (Excluding Protrusions)
Weight	80 grams (Including Battery, Excluding Sensor)

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