**Temperature Monitoring & Recording Data Logger**
**Technical Specifications**

| | |
|---|---|
| **Measurement** | Temperature Using (2) External Thermistor Sensor (#TR-0106) |
| **Temperature** | Range: -40°C to 110°C<br>Accuracy: ±0.3°C (-20°C to 80°C); ±0.5°C (Other)<br>Resolution: 0.1°C<br>Response Time: About 190 Seconds to 90%<br>Thermal Time Constant: 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<br>Voltage When OFF: AC/DC less than 50 Volts<br>Voltage When ON: Less than 0.1 Amp<br>Resistance When ON: About 35Ω |
| **Sampling Interval** | 1,2,5,10,15,20,30 Seconds / 1,2,5,10,15,20,30,60 minutes<br>(Total of 15 Choices) |
| **Recording Mode** | Endless: 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)<br>Battery Backup: CR-2032 Lithium Coin Cell (Included)<br>**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, SNTP, DHCP and DNS<br>**NOTE: SMTP Options: POP before SMTP, SMTP-AUTH** |
| **Communication Types** | Wired LAN: RJ45 Connector 100 Base-TX/ 10 Base-T Auto MDI/MDI-X<br>USB: 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)<br>**NOTE: For Windows 8, Software Should Be Used in "Desktop" Mode Only** |
| **Supported** | Desktop: IE 6.0+, Firefox 15.0+, Chrome 22.0+, |

| | |
|---|---|
| **Browsers** | Safari 6.0+<br>Mobile: Safari (iOS); Chrome (iOS, Android), Firefox (Android) |
| **Operating Environment** | Temperature: -10°C to 60°C<br>Humidity: 90% RH or Less (No Condensation) |
| **Monitoring Functions** | WebViewer: View Data Graphs, Current Readings and Settings in Browser<br>WebStorage Service: "Anytime, Anywhere" Complete Management of Recorded Data and Data Logger<br>Current Readings Monitor: Management of Current Readings of all Registered Devices on Same Network<br>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<br>(Excluding Protrusions) |
| **Weight** | 82 grams<br>(Including Battery, Excluding Sensor) |