HWg-STE
Ethernet thermometer

HWg-STE is a web thermometer with built-in web interface and SNMP support. It sends e-mail alerts if the temperature exceeds a specified limit.

- Windows software, AC power adapter and temperature sensor included
- Simple installation, supports DHCP
- E-mail alarms can be forwarded to SMS (by using a third party service).

Applications

Air-conditioning failure
Changes in temperature point to a failure of an A/C unit.

Heating system monitoring
Remote monitoring of a heating system, alert by e-mail or SMS (Email-2-SMS) to a danger of freezing.

Cooler/fridge monitoring
Web thermometer sends an e-mail if the cooler fails. Logs operating and storage conditions.

Heating optimization
IP thermometer saves heating and air-conditioning costs.

Food storage
Oversees optimal storage conditions. With application software, HACCP reports can be created.

Hardware group
www.HW-group.com
Basic features

- No SW necessary, built-in web server
- Simple installation, supports DHCP
- SNMP support (SNMP MIB included)
- 0.1°C resolution, display in °C / °K or °F
- Sends e-mail if the temperature is too high / too low
- Security protected with a password
- Temperature range of included probe: -10°C to +80°C (+14°F to +176°F),
  Outdoor probe: -30°C to +125°C (-22°F to +257°F)
- In addition to the included temperature probe, a second temperature or humidity probe can be connected.
- Free windows software HWg-PDMS for datalogging provides a graphical overview and MS Excel data export.

Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethernet</td>
<td>100 Mbit</td>
</tr>
<tr>
<td>IP protocols</td>
<td>ARP, TCP/IP (HTTP, SMTP) UDP/IP (SNMP)</td>
</tr>
<tr>
<td>DHCP for IP assignment</td>
<td>Port 161, Ver 1.0 / 2.0 (in part)</td>
</tr>
<tr>
<td>SNMP</td>
<td>Port 161</td>
</tr>
<tr>
<td>M2M protocol</td>
<td>SNMP, XML (over http)</td>
</tr>
<tr>
<td>Accuracy</td>
<td>±0.5 °C (-10°C to +85°C)</td>
</tr>
<tr>
<td></td>
<td>±2 °C (-55°C to +125°C)</td>
</tr>
<tr>
<td>Power</td>
<td>5V / 1W</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>-10°C to 60°C</td>
</tr>
</tbody>
</table>

Optional accessories

- **Temp-1Wire-Outdoor 3m**: Stainless-steel outdoor temperature sensor (-30°C to 120°C), 3m cable
- **HTemp-1W Box2**: Temperature and humidity sensor, wall mount, daisy-chainable, 3m cable included
- **Humid-1Wire 3m**: Humidity probe with 1m / 3m / 10m cable
- **Temp-Rack19**: Temperature sensor, 1U device to a RACK, daisy-chainable, 3m cable
- **HTemp-Rack19**: Temperature and humidity sensor, installs as a 1U device to a RACK.
- **Temp-1Wire 1m / 3m / 10m**: Temperature probe with 1m / 3m / 10m cable
- **Humid-1Wire 1m / 3m / 10m**: Humidity probe with 1m / 3m / 10m cable
- **HWg-STE PoE**: PoE thermometer package (IEEE 802.3af), includes a single temperature sensor, power adapter and CD
- **HWg-STE**: Web thermometer package, includes a single temperature sensor, power adapter and CD

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