

Ethernet Temperature & Humidity Data Logger



Specifications

Alarm Type: High/low, low battery, calibration due, lost communication

Ambient Operating RH Conditions: 5% - 95% RH, Non-condensing

Ambient Operating Temperature Conditions: -22.0°F - 122.0°F (-30.0°C - 50.0°C)

Approvals: RoHS, CE

Battery Backup: Four (4) AA Batteries

Battery Life (Avg): 1 month, back-up only (at 2 min sample rate in moderate conditions). Logger will save logged data, but will not send data when running on battery power only.

Cable Details: For Setup Only: USB - Male Series A plug to 5 pin Male Series B mini plug (6 ft).; Standard Ethernet (7 ft)

Calibration Options: N100, N300, N400, N520

Channels: CH1: Temperature, CH2: Humidity

Data Capacity: 32,000 (16,000 per channel)

Digital Display: Yes

Dimensions: 1.7 in x 4.25 in x 4.25 in

Download Type: Ethernet

Enclosure: Black; ABS Plastic Clam Shell

Humidity Accuracy: $\pm 2.0\%$ RH from 0.0% - 60.0%; $\pm 3.0\%$ RH from 60.0% - 95.0%

Humidity Range: 0% - 95% RH, Non-condensing

Humidity Sensor Type: Digital RH sensor

IP Rating: 21

Included Accessories: USB cable, AC adapter, four (4) AA batteries, quick start guide

Mounting Options: Free Standing or Wall Mount (With Keyhole)

Network Requirements: If Host PC and Logger are on separate subnets, both Logger and Host PC subnets must be able to see each other. For best results, assign a fixed IP Address to the Host PC. If preferred, logger can be setup using DHCP

Note on Alarm Type: All alarm conditions will generate a pop-up notification in the Dickson WIZARD Software. Text/Email notification available with use of WIZARD SECURE Software.

Notes: The WH645 logger reads temperature and humidity and sends data back to the receiver at regular intervals

PC Requirements: Minimum of 2 GB RAM; Windows XP (with service pack 3) and Windows 7; 2 available USB ports

Power Cord: 6 ft

Power Source: 120 V - 240 V AC, 12 V DC (INTL fittings available)

Power Source Input: 100 V - 240 V AC, 0.5 V, 50/60 Hz

Power Source Output: 9 V DC, 1 A

Power Status Indicator: Red/Green/Blue (RGB) LED

Remote Probe Dimensions : Houses thermistor and RH sensor in polycarbonate plastic; 1.5 in x 0.5 in (1.25 cm x 4.5 cm)

Remote Sensor Length: 10 ft (optional)

Remote Sensor Type: 1 field replaceable digital temperature / RH sensor

Response Time: 30 s to 63% FS

Sample Interval: User selectable (from 10 s - 1 hr in 10 s intervals)

Software Options: W2 version 1.2.0.11 or higher

Storage Conditions: -22.0°F - 158.0°F (-30.0°C - 70.0°C), 0% - 95% RH, Non-condensing

Temperature Accuracy: $\pm 0.8^{\circ}\text{F}$ from 20.0°F - 122.0°F, 1.8°F remaining ($\pm 0.44^{\circ}\text{C}$ from -7.0°C - 85.0°C, 1.0°C remaining)

Temperature Range: -20.0°F - 185.0°F (-28.0°C - 85.0°C)

Temperature Sensor Type: Field replaceable

Unit Weight: 3 lbs

Units/Pkg: 1