

## 2.4 GHz Wireless 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)

**Antenna Type:** Internal

**Approvals:** RoHS, FCC part 15 compliance, CE

**Battery Backup:** Four (4) AA Batteries

**Battery Life (Avg):** 6 months (at 2 min sample rate in moderate conditions)

**Cable Details:** USB - male series A plug to 5 pin male series B mini plug

**Cable Length:** 6 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:** Wireless

**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)

**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 WH345 logger reads temperature and humidity and sends data back to the receiver at regular intervals

**Output Signal:** 4800 Baud Serial Data

**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

**Radio Frequency:** 2.4 GHz

**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)

**Signal Strength:** Less than 10 mW

**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

**Wireless Range:** 300 ft