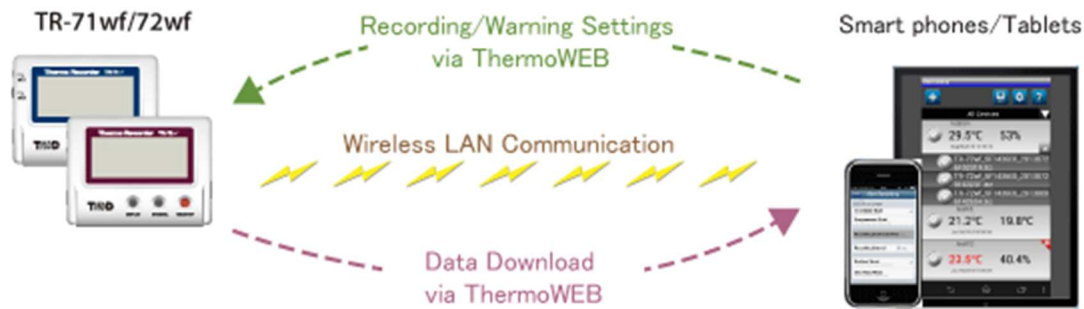# WiFi connected Temperature & Humidity monitoring with cloud storage





## Features:

- No PC connection required
- Storage of data is cloud based on free web server
- Email alerts if temperature or humidity goes above limits
- Server based SMS alert system for temperature and humidity
- Battery backup will last for two years
- 1 channel of temperature and 1 channel of humidity
- View the data on any remote PC or tablet or mobile phone with internet connection
- setup and operate without need of a PC

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| | | |
|---|---|---|
| **Measurement Channels** | Temperature 2ch (Internal 1ch / External 2ch) | |
| **Sensor** | Thermistor | |
| **Measurement Units** | °C, °F | |
| **Measurement Range** | **Internal Sensor** | -10 to 60 °C (*1) |
| | **External Sensor** | -40 to 110 °C (Supplied Sensor) -60 to 155 °C (Optional Sensor: Fluoropolymer Coated Type) |
| **Accuracy** | Avg. ± 0.3 °C [-20 to 80 °C] Avg. ± 0.5 °C [-40 to -20 °C / 80 to 110 °C] | |
| **Measurement Resolution** | 0.1 °C | |
| **Responsiveness** | Thermal Time Constant: Approx. 75 sec. Response Time (90%): Approx. 190 sec. | |
| **LCD Display Items** | Measurements (fixed or alternating display), Battery Warning Mark, etc. | |
| **Logging Capacity** | 8,000 data sets (One data set consists of readings for all channels in that type of unit.) | |
| **Recording Interval** | Select from 15 choices: 1, 2, 5, 10, 15, 20, 30 sec. or 1, 2, 5, 10, 15, 20, 30, 60 min. | |
| **Recording Mode** | Endless (Overwrite oldest data when capacity is full) or One Time (Stop recording when capacity is full) | |
| **Auto-upload Interval** | Select from 15 choices: OFF (No auto-upload), 1, 2, 5, 10, 15, 20, 30 min. or 1, 2, 3, 4, 6, 12, 24 hrs. | |
| **ommunication Interfaces** | Wireless LAN Communication • Standard: IEEE 802.11b • Security (*3): WEP (64bit/128bit), WPA-PSK(TKIP), WPA2-PSK(AES) • WPS 2.0 : Push Button Configuration • Protocol: HTTP, DHCP, DNS USB Communication (*4) • USB 2.0 (Mini-B connector) | |
| **Power** | AA Alkaline Battery x 2 (AA Ni-MH batteries may also be used), USB Bus Power (5V 200mA) | |
| **Battery Life (*5)** | With wireless LAN communication: Approx. 10 days to 1.5 years (Ex: Approx. 10 days when Auto-upload Interval is 1 min, 1 yr when 1 hr, 1.5 yrs when 12 hrs or more) Without wireless LAN communication: Approx. 1.5 years | |
| **Dimensions** | H 58 mm x W 78 mm x D 26 mm | |
| **Weight** | Approx. 100 g (including batteries) | |
| **Operating Environment** | Temperature: -10 to 60 °C Humidity: 90 %RH or less (no condensation) | |
| **Accessories** | Temperature Sensor (TR-0106) x 2 | Temperature/Humidity Sensor (THA-3001) x 1 | High Precision Temperature/Humidity Sensor (HHA-3151) x 1 |
| | AA Alkaline Battery (LR6) x 2, Registration Code Label, Manual Set (Warranty Included) | |

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*1 : When wireless LAN communication is used frequently, the measurement of the internal sensor may rise by around 0.3 °C.

*2 : When used in environments where temperature and humidity are over the values of 50 °C 75 %, 60 °C 50 %, 70 °C 35 %, and 80 °C 25 %, sensor hysteresis may fluctuate by values greater than ±1.5 %RH. Under certain circumstances, it may take some time to return to normal measurement capability.

*3 : The WPS feature is not available when WEP(64bit/128bit) or WPA-PSK(TKIP) is selected in Access Point Settings. If you wish to use the WPS feature, please select WPA2-PSK(AES) or disable wireless security.

*4 : Optional USB Mini-B Cable US-15C is required for USB communication.

*5 : Battery life varies depending upon the frequency of communication, wireless LAN environment, ambient temperature, recording interval, and battery performance. All estimates are based on operations carried out with a new battery and are in no way a guarantee of actual battery life.

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