



Data-Logging
Water-Proof

Digital Thermo-Hygrometer

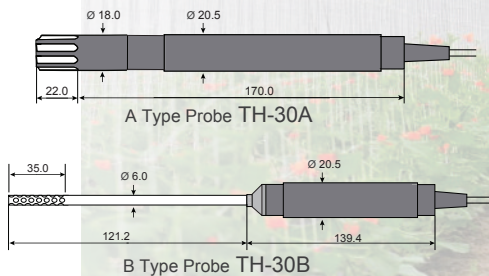
TH-3800 (1) IP66 Water-Proof, Data-Logger, USB
RS-232, \varnothing 6mm ultra-fine probe, Dew Point

IP66 CE RoHS

Applications :

Plant Maintenance, Greenhouse, Air condition systems, Textile mills, Production processes, Clean rooms, Laboratories, Nurseries, Cool stores, Dry rooms and Containers

- IP66 Water-Proof & Dust-Proof
- Data-Logging up to 32000 Readings
- USB High Speed Downloading
- Max/Min/Avg/Hold Functions
- Large LCD Display with LED Back-Light
- High Accuracy and Respond Quickly
- USB and RS-232 Output
- IP66, CE and RoHS Approved



Specifications of TH-3800

| | |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Measurement Range | Temperature : -40 ~ +85°C, -40 ~ +185°F Relative Humidity: 0 ~ 100% RH Dew point : -70 ~ +85°C (-94 ~ +185°F) |
| Resolution | 0.1 % RH, 0.1°C / 0.1°F |
| Accuracy (at 25°C)* | Temperature : $\pm 0.3^{\circ}\text{C}$ / $\pm 0.5^{\circ}\text{F}$ Humidity : $\pm 2\%$ (0 ~ 95% RH) |
| Response (90%) | 30 sec. (with membrane filter) ; 15 sec. (without filter) |
| Output | USB, RS-232 , 0.1%RH, 0.1°C or °F / 1 BIT |
| Power Supply | One 9V battery, or AC adaptor |
| Memory | 32,000 readings, 16,000 readings per channel (Device displayed 9,999 readings) |
| Sampling Rate* | 2 seconds to 2 hours (User Selectable), For data record setting |
| Main Functions | Dew point calculate, Perpetual calendar, Data hold, Max/Min/Avg Functions, Data-Logging, Battery sign and low battery warning, Switchable °C / °F, USB/RS-232 interface, AC/DC power, Auto / Manual shutdown, Calibration function, Large LED back-light, IP66 water and dust proof. |
| Dimensions / Weight | 150 x 75 x 28 mm, Approx. 320g |
| Input Connections | Water-proof socket |
| Operating Environment | -20 ~ +60°C ; 0~100%RH |

*Above accuracy and sampling rate excludes errors generated by Temp. / Humidity probe.

Ordering Information :

※Can be purchased separately TH-3800, or purchase with accessories.

| | |
|-------------------------|--------------------------------------------------------|
| ① TH-3800 | Water-Proof Digital Thermo-Hygrometer |
| ② TH-30A | \varnothing 18mm A Type Temperature / Humidity probe |
| ③ TH-30B | \varnothing 6mm B Type Temperature / Humidity probe |
| ④ TU-RS232-W | RS-232 Interface cable |
| ⑤ TU-USB-W | USB Computer interface cable |
| ⑥ TU-766C | Plastic carrying case |
| ⑦ TU-6019 / 6029 | AC Adaptor |

※Specifications are subject to change without notice.



TH-3800 KIT

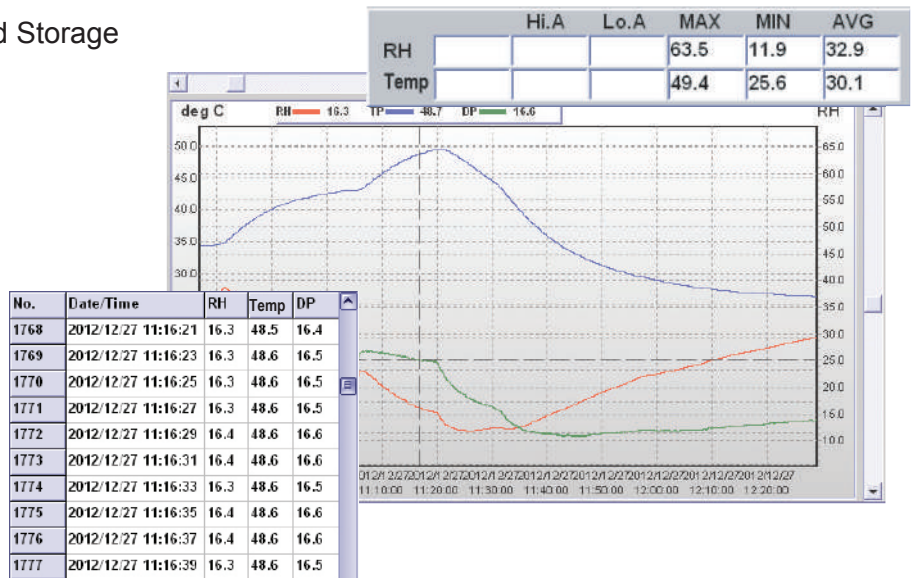


Data Logger Software & Accessories

TH-3800⁽²⁾

Software Features:

- Trend Line Display
- Graphic Zoom in, Zoom out and Storage
- Instrument Status Display
- Max. / Min. / Average
- Dew Point Calculate
- Real-time Data Recording
- Unit Conversion
- Saving and Loading Data
- Data Table View
- Recorded Data Download
- Digital Calibration
- Export to MS Excel[®]



Standard Reference Solutions for Hygrometer:

TH-3133: 33%RH

(33%RH Standard Solution for TH-30A probe)

| TH-3133 | | | | | |
|---------|------|------|------|------|------|
| °C | 15 | 20 | 25 | 30 | 35 |
| °F | 59 | 68 | 77 | 86 | 95 |
| %RH | 33.3 | 33.1 | 32.8 | 32.4 | 32.1 |

TH-3175: 75%RH

(75%RH Standard Solution for TH-30A probe)

| TH-3175 | | | | | |
|---------|------|------|------|------|------|
| °C | 15 | 20 | 25 | 30 | 35 |
| °F | 59 | 68 | 77 | 86 | 95 |
| %RH | 75.6 | 75.5 | 75.3 | 75.1 | 74.9 |



Complete Set of TH-3800 KIT :

| No. | Model No. | Descriptions |
|-----|-----------------------------|----------------------------------------|
| ① | TH-3800 | Digital Thermo-Hygrometer |
| ② | One probe (TH-30A or TH30B) | TH30A Ø18X192.0mm TH30B Ø 6X260.6mm |
| ③ | TU-USB-W | USB computer interface cable |
| ④ | Software USB | Software and Descriptions |
| ⑤ | TU-RS232-W | RS-232 Interface cable |
| ⑥ | TU-6019 / 6029 | AC Adaptor |
| ⑦ | TU-609 | Battery 9V006P |
| ⑧ | User's manual | Multi-national user's manual |
| ⑨ | TU-655C | Plastic carrying case |

