



Data-Logging
Water-Proof

Digital Thermo-Hygrometer

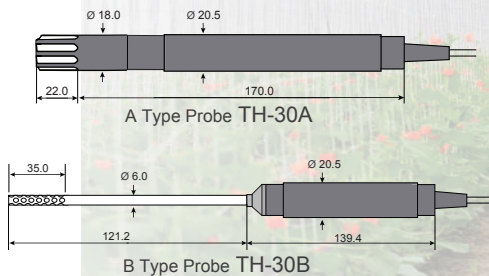
TH-3800 (1) IP66 Water-Proof, Data-Logger, USB
RS-232, $\varnothing 6\text{mm}$ ultra-fine probe, Dew Point

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 : $-40 \sim +85^{\circ}\text{C}$, $-40 \sim +185^{\circ}\text{F}$ Relative Humidity: $0 \sim 100\% \text{ RH}$ Dew point : $-70 \sim +85^{\circ}\text{C}$ ($-94 \sim +185^{\circ}\text{F}$)
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 : $\pm 2\%$ ($0 \sim 95\% \text{ RH}$)
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	$-20 \sim +60^{\circ}\text{C}$; $0 \sim 100\% \text{ RH}$

*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	$\varnothing 18\text{mm}$ A Type Temperature / Humidity probe
③ TH-30B	$\varnothing 6\text{mm}$ B Type Temperature / Humidity probe
④ TU-RS232-W	RS-232 Interface cable
⑤ TU-USB-W	USB Computer interface cable
⑥ TU-655C	Plastic carrying case
⑦ TU-6019 / 6029	AC Adaptor



※Specifications are subject to change without notice.

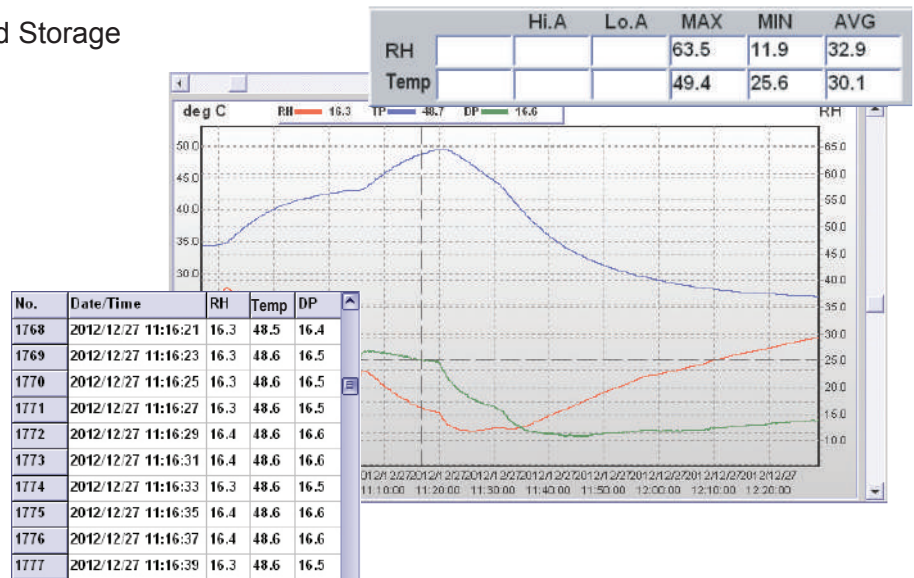


Data Logger Software & Accessories

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 CD	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

