



Data-Logging  
Water-Proof

# Digital Thermo-Hygrometer

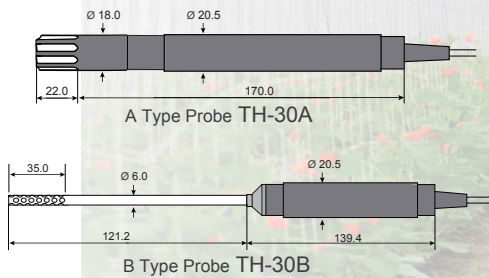
**TH-3800 (1)** IP66 Water-Proof, Data-Logger, USB  
RS-232,  $\varnothing 6\text{mm}$  ultra-fine probe, Dew Point

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

<b>Measurement Range</b>	Temperature : -40 ~ +85°C, -40 ~ +185°F Relative Humidity: 0 ~ 100% RH Dew point : -70 ~ +85°C (-94 ~ +185°F)
<b>Resolution</b>	0.1 % RH, 0.1°C / 0.1°F
<b>Accuracy (at 25°C)*</b>	Temperature : $\pm 0.3^\circ\text{C}$ / $\pm 0.5^\circ\text{F}$ Humidity : $\pm 2\%$ (0 ~ 95% RH)
<b>Response (90%)</b>	30 sec. (with membrane filter) ; 15 sec. (without filter)
<b>Output</b>	USB, RS-232 , 0.1%RH, 0.1°C or °F / 1 BIT
<b>Power Supply</b>	One 9V battery, or AC adaptor
<b>Memory</b>	32,000 readings, 16,000 readings per channel (Device displayed 9,999 readings)
<b>Sampling Rate*</b>	2 seconds to 2 hours (User Selectable), For data record setting
<b>Main Functions</b>	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.
<b>Dimensions / Weight</b>	150 x 75 x 28 mm, Approx. 320g
<b>Input Connections</b>	Water-proof socket
<b>Operating Environment</b>	-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 <b>TH-3800</b>	Water-Proof Digital Thermo-Hygrometer
② <b>TH-30A</b>	$\varnothing 18\text{mm}$ A Type Temperature / Humidity probe
③ <b>TH-30B</b>	$\varnothing 6\text{mm}$ B Type Temperature / Humidity probe
④ <b>TU-RS232-W</b>	RS-232 Interface cable
⑤ <b>TU-USB-W</b>	USB Computer interface cable
⑥ <b>TU-766C</b>	Plastic carrying case
⑦ <b>TU-6019 / 6029</b>	AC Adaptor



※Specifications are subject to change without notice.

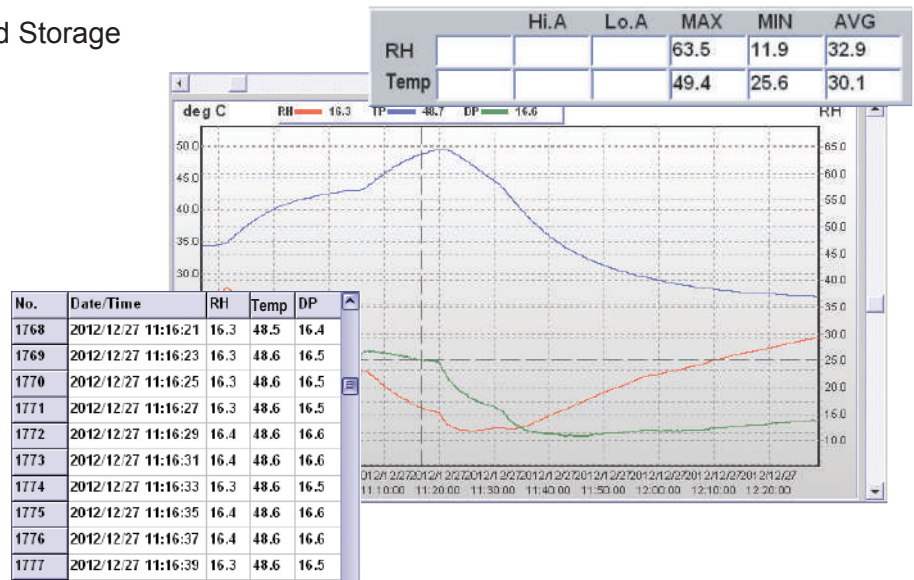


# Data Logger Software & Accessories

## TH-3800<sup>(2)</sup>

### 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<sup>®</sup>



### 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

