



## News Release

### New Product

August 07, 2013

## Announcing the New Thermo Recorder: TR-7wf Series

T&D Corporation is proud to release the new temperature and humidity data logger TR-71wf/72wf.

The most distinguishing feature of TR-71wf/72wf is its auto upload function which automatically uploads recorded data from the logger to our free cloud service. It enables the viewing of uploaded data on your mobile device or PC anytime, anywhere.

Try our new data loggers and take a step into the new world of cloud storage...you won't want to go back.

### Features

- Wireless LAN Communication with Mobile Devices for Setup and Data Download
- USB Communication with PC for Setup and Data Download
- Battery-Powered Operation; No Cables Necessary
- Logging Capacity of 8,000 Data Sets

### TR-7wf Series Lineup



### Application Examples

- Performance Testing of Humidity and Heat Control in Housing
- For Managing Temperature and Humidity in Server Rooms
- For Temperature and Humidity Management in Hospitals, Museums, and Temperature Controlled Warehouses
- Management of Temperature and Humidity in Subway and Train Cars

### Specifications

	TR-71wf	TR-72wf	TR-72wf-H
<b>Sensor</b>	TR-0106	THA-3001	HHA-3151(High-Precision Type)

(External) *1	Thermistor	Thermistor	Polymer Resistance	Platinum Resistance	Electrostatic Capacitance
Measurement Channels	Temperature 2ch	Temperature 1ch	Humidity 1ch	Temperature 1ch	Humidity 1ch
Measurement Units	°C, °F	°C, °F	%RH	°C, °F	%RH
Measurement Range	-40 to 110 °C (Supplied Sensor) -60 to 155 °C (Optional Sensor: Fluoropolymer Coated Type)	0 to 55 °C	10 to 95 %RH	-30 to 80 °C	0 to 99 %RH
Accuracy	Avg.±0.3 °C [-20 to 80 °C] Avg.±0.5 °C [-40 to -20 / 80 to 110 °C]	±0.5 °C	±5 %RH [at 25 °C, 50 %RH]	±0.3 °C [0 to 50 °C] ±0.5 °C [all other temperatures]	±2.5 %RH [at 25 °C, 10 to 85 %RH] ±4.0 %RH [at 25 °C, 0 to 10 %, 85 to 99 %RH] At temperatures other than 25 °C and ≥ 0 °C, add ±0.1 %RH per degree of difference from 25. Humidity Hysteresis: ±1.5 %RH or lower *2
Measurement Resolution	0.1 °C	0.1 °C	1 %RH	0.1 °C	0.1 %RH
Responsiveness	Thermal Time Constant: Approx. 75 sec. Response Time (90%): Approx. 190 sec.	Response Time (90%): Approx. 7 min.		Response Time (90%): Approx. 7 min.	Response Time (90%): Approx. 20 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.				
Communication 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 (5 V 200 mA)		
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 58mm x W 78mm x D 26mm		
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)		
<p>*1 : With the TR-71wf, it is also possible to measure temperature with the internal sensor. However, the measurement range is restricted to the operating environment for the whole device.</p> <p>*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.</p> <p>*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.</p> <p>*4 : Optional USB Mini-B Cable US-15C is required for USB communication.</p> <p>*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.</p>			

## Release Date

Sep. 2013

## Contact us

For more information, questions or comments about events and news releases please contact our Main Office in Japan:

 [Contact the T&D Main Office \(Japan\)](#)