Simpler Than Ever Before!
Get Hassle-Free Data Access Now...
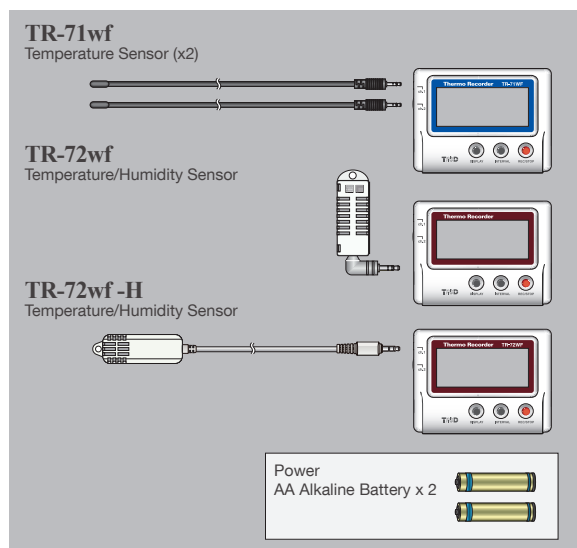
Wireless LAN

LCD Display

Logging Capacity
8,000 data sets

Operation Buttons

Thermo Recorder TR-71wf

Sensor Jack

Power

Thermo Recorder TR-72wf

USB Port

H58 mm ,W78 mm, D26 mm

AA Alkaline
Battery x 2
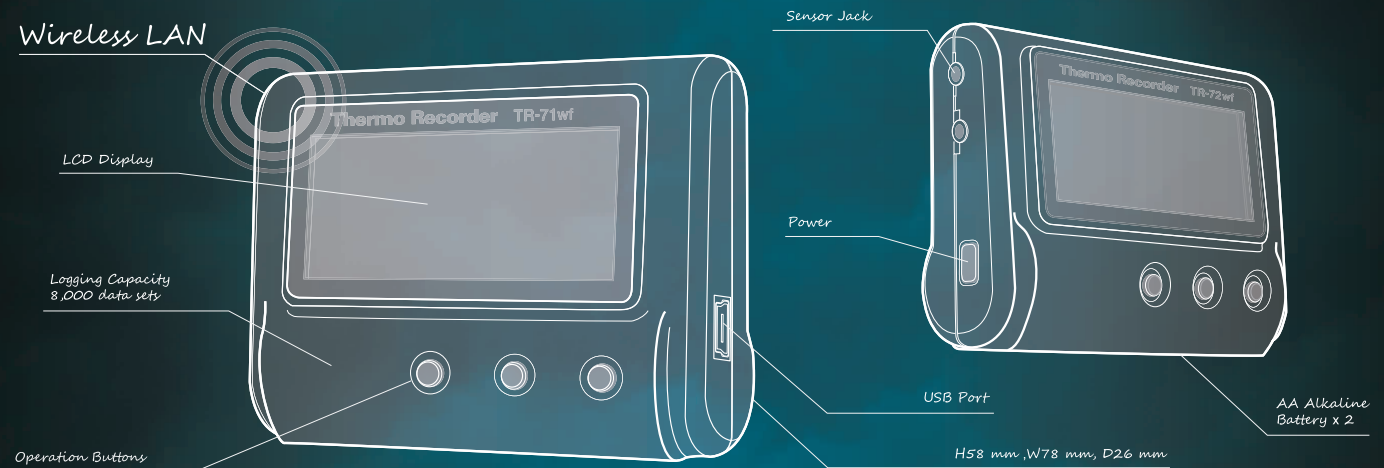
TR-7wf Series

Coming Soon!

**T&D Cloud Service
Free of Charge!**

**Seamless
Data Access**

**Data Analysis
using Graph Tools**

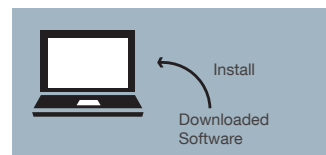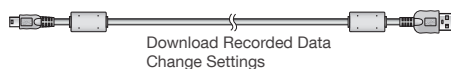**T&D WebStorage Service**

**Automatic
Data Upload**

Battery-Powered Wireless LAN Operation enables...

- Automatic data upload to WebStorage.

- Viewing WebStorage data anywhere on mobile devices and PCs.

- Sending alert notifications via email from WebStorage.

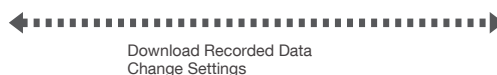- Direct communication with mobile devices where an access point is not available.

T AND D

TR-71wf
Temperature Sensor (x2)

TR-72wf
Temperature/Humidity Sensor

TR-72wf -H
Temperature/Humidity Sensor

Power
AA Alkaline Battery x 2

USB Communication
Download Recorded Data
Change Settings

Install
Downloaded Software

Wireless LAN Communication: HTTP
ACCESS POINT

T&D WebStorage

Alert Mail

Direct Wireless Communication
Download Recorded Data
Change Settings

Install
Downloaded Application
(Android, iPhone/iPad)

	TR-71wf	TR-72wf		TR-72wf-H	
Sensor (External) (*1)	TR-0106	THA-3001		HHA-3151(High-Precision Type)	
	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°C / 80 to 110°C]	±0.5 °C	±5 %RH [at 25 °C, 50 %RH]	±0.3°C [at 0 to 50 °C] ±0.5°C [at all other temperatures]	±2.5 %RH [at 25 °C, 10 to 85 %RH] ±4.0 %RH [at 25 °C, 0 to 10 % or 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: WEP (64bit/128bit), WPA-PSK(AES), WPA2-PSK(AES) WPS: Push Button Configuration Protocol: HTTP USB Communication (*3) 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 (*4)	With wireless LAN communication: Approx. 10 days to 2 years Without wireless LAN communication: Approx. 2 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)				
Software Compatible OS (*5)(*6)	Microsoft Windows 8 32 / 64 bit Microsoft Windows 7 32 / 64 bit Microsoft Windows Vista 32 bit (SP1 or later) Microsoft Windows XP 32 bit (SP3 or later) Android 2.2 or later iOS 5.0 or later				
Display Languages (*7)	English				

*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.
*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: Optional USB Mini-B Cable US–15C is required for USB communication.
*4: 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.
*5: For installation, it is necessary to have Administrator (Computer Administrator) rights.
*6: If you are using Windows 8, please note that our software is designed to be used in "Desktop" mode only.
*7: We recommend using an operating system in the same language as the display language. Operation in different languages is not guaranteed.
The specifications listed above are subject to change without notice.

■ Distributor

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