

Thermo Recorder

TR-7nw series

Wired LAN Connection for Stable, Reliable, and Trustworthy Communication





Temperature 1ch / Humidity 1ch

Wired LAN, USB

Temperature 2ch Thermocouple (K, J, T, E, S, R) Temperature 1ch / Humidity 1ch Wired LAN, USB * Sensors not included

Data transmission via wired LAN ensures **Stable** and **reliable** transfer to T&D's **Cloud Service** (T&D WebStorageService) where your important data can then be accessed from anywhere at anytime. Simple direct USB connection to PC also allows for easy downloading and viewing of data, as well as, total control over logger settings.

High Precision Type

Wired LAN, USB

Best of all T&D software and cloud storage service is **FREE** of charge!

Temperature 2ch Wired LAN, USB



changing settings via T&D WebStorage Service.

Also supports alarm push notifications.

Specification		TR-/Thw	IR-/2nw		TR-72nw-S		IR-75nv
Measurement Channels		Temperature 2ch	Temperature 1ch, Humidity 1ch		Temperature 1ch, Humidity 1ch		Temperature 2ch
Sensor		Thermistor	Thermistor	Polymer Resistance	Thermistor	Polymer Resistance	Thermocouple: Type K, J, T, E, S
Measurement Units		°C, °F	°C, °F	%RH	°C, °F	%RH	°C, °F
	Internal Sensor	-10 to 60°C (*2)	-	-	-	-	-
Measurement Range	External Sensor	-40 to 110°C (Supplied Sensor) -60 to 155°C (Optional Sensor: Fluoropolymer Coated Type)	0 to 55 °C	10 to 95 %RH	-25 to 70 °C	0 to 99 %RH (*3)	K -199 to 1370 J -199 to 1200 T -199 to 400 E -199 to 1000 S - 50 to 1760 R - 50 to 1760
Accuracy		Avg. ± 0.3°C at -20 to 80°C Avg. ± 0.5°C at -40 to -20°C, 80 to 110°C	±0.5 °C	±5 %RH at 25 °C, 50 %RH	±0.3°C at 10 to 40 °C ±0.5°C all other temperatures	±2.5 %RH at 15 to 35 ℃, 30 to 80 %RH	Thermocouple Mear (Sensor inaccuracie included) Type K, J, T, E: \pm (0.5 °C + 0.3 % of r at -100°C or above Type S, R: \pm (1.5 °C + 0.3 % of r at 100°C or above Cold Junction Comp \pm 0.5°C at 10 to 40 °C \pm 0.8°C other temperatures operating environm logger
Measurement Resolution		0.1°C	0.1 °C	1 %RH	0.1 °C	0.1 %RH	Type K, J, T, E: 0. Type S, R: Appro:
Responsiveness		Response Time (90%): Approx. 190 sec.	Response Time (90%): Approx. 7 min. Response Time (90%): Approx. 7 min.			-	
Logging Capacity	/	8,000 data sets (One d	ata set consists of	readings for all channe	els)		
Recording Interva	al	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)					
LCD Display Items		Measurements (fixed or alternating display), Battery Warning Mark, etc.					
Auto-upload Inter	rval	Select from 15 choices	: OFF (No auto-upl	oad), 1, 2, 5, 10, 15, 20	0, 30 min. or 1, 2, 3,	, 4, 6, 12, 24 hrs.	
Communication Interfaces		Wired LAN Communication 100BASE-TX/10BASE-T (RJ45 Connector) Protocol : HTTP(*4), DHCP, DNS USB Communication USB 2.0 (Mini-B connector)					
Power (*5)		Battery: AA Alkaline LR6 x 2, AA Ni-MH x 2 External: USB Bus 5V 200mA, AC Adaptor AD-05A2 or AD-05C2, PoE IEEE 802.3af					
Battery Life (*6)		Approx. 10 days to 1.5 years (depends on Auto-upload interval) (depends on Auto-upload interval)					
Dimensions		H 58 mm x W 78 mm x D 26 mm					
Weight		Approx. 55 g					
Operating Enviro	nment	Temperature: -10 to 60°C(*7), Humidity: 90 %RH or less (no condensation)					
Accessories		Temperature Sensor TR-0106 x 2	Temperature-Hu THA-3001 x 1	umidity Sensor Sensor SHA-3151 x 1		(Sensor not prov	
Software (*8)		AA Alkaline Battery LR6 x 2, Registration Code Label, USB Mini-B Cable US-15C, Manual Set (Warranty Included) PC Software (Windows) TR7 for Windows, T&D Graph, T&D Data Server Mobile Application (iOS, Android) T&D Thermo					

heat and the internal sensor will report a temperature much higher than ambient, we recommend using an external temperature sensor in this case. *3:When continually used in environments with temperatures above 60°C, accuracy of humidity measurements will decrease over time. Also, humidity cannot be measured

- at temperatures below -20°C
- *4:HTTP client. Proxy supported.

*6:When using external power, the internal temperature of the logger rises. *6:Battery life varies depending upon multiple factors including frequency of communication, 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. *7:-10 to 45°C when using external power.

*8: Software on CD-ROM is not supplied with the product. Free software download and information on OS compatibility is available on the Software page of our website at tandd.com/software/

High-performance graph tool that can read large numbers of data files into the same graph, merge data, and save data in various ways.

Compatible with T&D WebStorage Service / T&D Data Server.

tandd.com

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