

Specifications

Device Type	TR-73U		
Sensor	Temp-Humidity Sensor TR-3100 (*1)		Barometric Pressure Sensor (Internal)
	Thermistor	Polymer Resistance	
Measurement Channels	Temperature 1ch	Humidity 1ch	Barometric Pressure 1ch
Units of Measurement	°C, °F	%RH	hPa
Measurement Range	0 to 50°C (Supplied Sensor) -40 to 110°C (Optional Sensor)	10 to 95 %RH	750 to 1100 hPa
Accuracy	Avg. ± 0.3°C at 0 to 50°C	±5 %RH at 25 °C, 50 %RH	±1.5 hPa
Measurement Resolution	0.1°C	1 %RH	0.1 hPa
Responsiveness	Response Time (90%): Approx. 7 min.		4 seconds or 40 seconds if recording interval is 10 sec. or more.
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)		
Communication Interfaces	USB Communication: USB 2.0 (Mini-B connector) Serial Communication (*2)		
Power	AA Alkaline Battery LR6 x 1		
Battery Life (*3)	Approx. 10 months		
Dimensions	H 55 mm x W 78 mm x D 18 mm		
Weight	Approx. 40 g		
Operating Environment	Temperature: -10 to 60 °C Humidity: 90 %RH or less (no condensation)		
Software (*4)	PC Software (Windows) T&D Recorder for Windows (TR-5, 7xU)		

*1: 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: Customers wishing to write their own software, please contact your local distributor for the serial communications protocol specifications. (Note: Optional serial communication cable TR-07C is also required.)

*3: Battery life varies depending upon the ambient temperature in which it is used, the recording interval, the frequency of communication, and the 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.

*4: Free software download and information on OS compatibility is available on the Software page of our website at tandd.com/software/.

The specifications listed above are subject to change without notice.