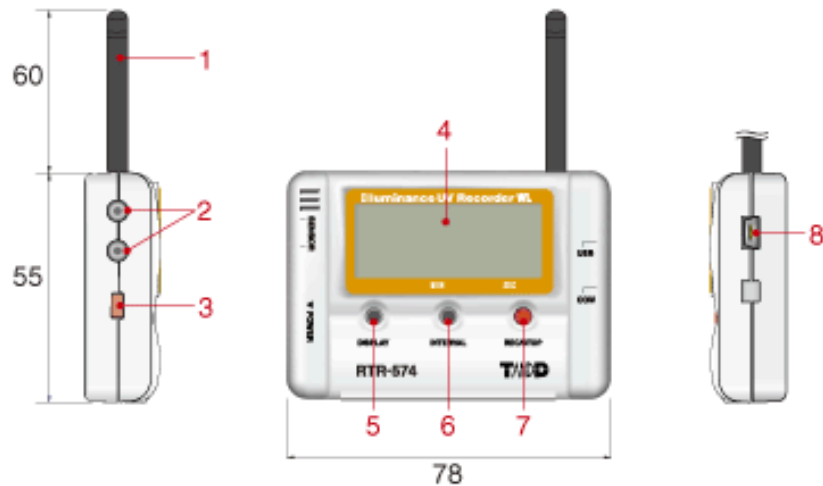


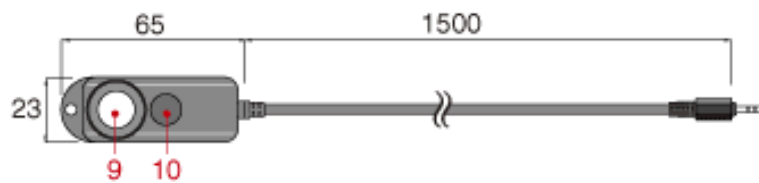
Product	RTR-574		RTR-574-H	
Temperature/Humidity Sensor (External)	<u>THA-3151</u>		<u>HHA-3151(High-Precision Type)</u>	
	Thermistor	Polymer Resistance	Platinum Resistance	Electrostatic Capacitance
Measurement Channels	Temperature 1c h	Humidity 1ch	Temperature 1c h	Humidity 1ch
Units of Measurement	°C, °F	%RH	°C, °F	%RH
Measurement Range	0 to 55 °C	10 to 95 %RH	-30 to 80 °C	0 to 99 %RH
Accuracy	±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 % 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(*1)
Measurement Resolution	0.1 °C	1 %RH	0.1 °C	0.1 %RH
Responsiveness	<u>Response Time(90%):</u> Approx. 7 min.		<u>Response Time(90%):</u> Approx. 7 min.	<u>Response Time(90%):</u> Approx. 20 sec.
Illuminance/UV Sensor (External)	<u>ISA-3151</u>			
Measurement Channels	Illuminance: 1ch UV intensity: 1ch			
Units of Measurement	Illuminance: lx, Klx UV intensity: mW/cm2			
Measurement Range	Illuminance: 0 lx to 130 Klx UV Intensity: 0 to 30 mW/cm2			
Units of Cumulative Measurement	Cumulative Illuminance: lxh, Klxh, Mlxh Cumulative amount of UV Light: mW/cm2, W/cm2			
Display Range of Cumulative Measurement	Illuminance: 0 lxh to 90 Mlxh UV Intensity: 0 mW to 62 W/cm2h			
Accuracy	Illuminance: 10 lx to 100 Klx : ±5 % [at 25°C, 50 %RH] UV Intensity: 0.1 to 30 mW/cm2 : ±5 % [at 25°C, 50 %RH] (*2)			
Relative Spectral Response	Illuminance: Approximated to the CIE standard response function V (λ ) UV Intensity: 260 to 400 nm			
Measurement Resolution	Illuminance: Minimum of 0.01 lx UV Intensity: Minimum of 0.001 mW/cm2			
Responsiveness	<u>Response Time(90%):</u> 3 sec. (at recording interval of 1 sec.) 6 sec. (at other intervals)			

<b>Logging Capacity</b>	8,000 data sets (One data set consists of readings for all channels in that type of unit.)
<b>Recording Interval</b>	Select from 15 choices: 1, 2, 5, 10, 15, 20, 30 sec. or 1, 2, 5, 10, 15, 20, 30, 60 min.
<b>Recording Mode (*3)</b>	Endless (Overwrite oldest data when capacity is full) or One Time (Stop recording when capacity is full)
<b>LCD Display Items</b>	Measurements, Battery Life Warning, etc. · Measurements: Illuminance / UV Intensity / Temperature / Humidity / Cumulative Illuminance / Cumulative amount of UV Light · Display Pattern: Alternating or Fixed display · Display Digits: Up to 4 digits
<b>Communication Interfaces</b>	Wireless Communication (Short Range Radio Communication) · FCC Part15 Section247 / IC RSS-210 (Frequency Range: 902 to 928MHz, RF Power: 7mW) · ETSI EN 300 220 (Frequency Range: 869.7 to 870MHz, RF Power: 5mW) USB Communication Serial Communication (RS-232C) (*5)
<b>Wireless Transmission Range</b>	Approx. 150 meters (500 ft) if direct and unobstructed
<b>Power</b>	AA Alkaline Battery (LR6) x 1
<b>Battery Life (*4)</b>	Approx. 4 months
<b>Dimensions</b>	H 55 mm x W 78 mm x D 18 mm(excluding protrusions) Antenna Length: 60 mm
<b>Weight</b>	About 68 g (including battery, excluding sensor)
<b>Operating Environment</b>	Temperature: -10 to 60 °C Humidity: 90 %RH or less (no condensation)
<b>Accessories</b>	AA alkaline battery (LR6), USB Communication Cable ( <a href="#">US-15C</a> ), Illuminance/UV Sensor ( <a href="#">ISA-3151</a> ), Temperature/Humidity Sensor ( <a href="#">THA-3151</a> or <a href="#">HHA-3151</a> ), Software (CD-ROM), User's Manual Set (Warranty Included)
<b>Compatible Base Units</b>	RTR-500, RTR-500NW/500AW, RTR-500DC
<p>*1 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>*2 Compared to the value measured by the T&amp;D standard sensor for calibration under our calibration light source.</p> <p>*3 Only "Endless" is available when using RTR-500W for Windows.</p> <p>*4 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.</p> <p>*5 For communication with the Data Collector RTR-500DC (Note: Optional serial communication cable TR-6C10 is required).</p>	

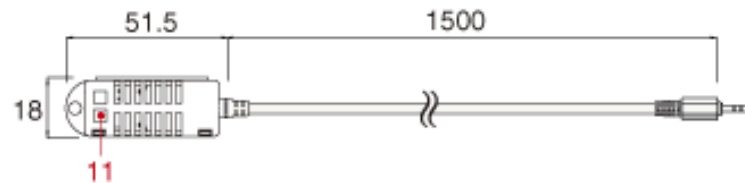
## RTR-574



### ISA-3151 (Illuminance UV Sensor)



### THA-3151 (Temperature / Humidity Sensor)



### HHA-3151 (Temperature / Humidity Sensor)



[mm]

- 1: Antenna
- 2: Sensor Jack
- 3: POWER Button
- 4: LCD Display
- 5: DISPLAY Button
- 6: INTERVAL Button
- 7: REC/STOP Button
- 8: USB Communication Cable Jack
- 9: Illuminance Sensor Area
- 10: Ultraviolet Sensor Area
- 11: Temperature/Humidity Sensor Area