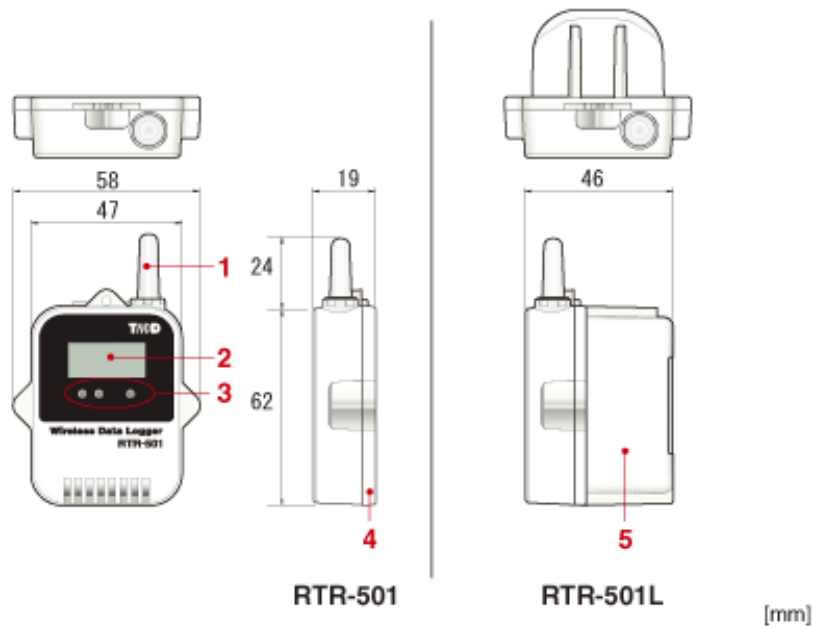


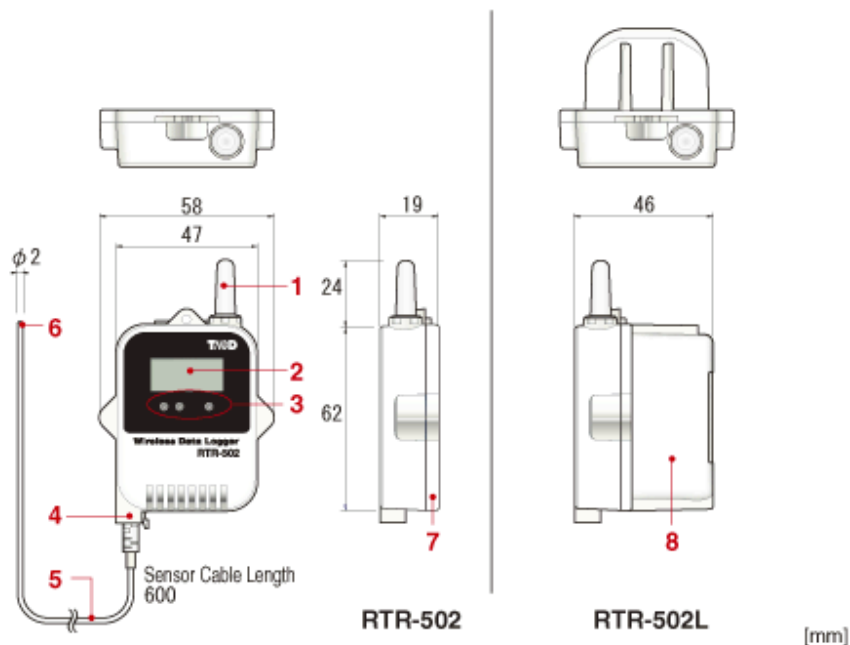
FCC model / CE model	RTR-501/501L	RTR-502/502L	RTR-503/503L	
Measurement Channels	Temperature 1ch (Internal)	Temperature 1ch (External)	Temperature 1ch, Humidity 1ch (External)	
Sensor	Thermistor	Thermistor	Thermistor	Polymer Resistance
Measurement Units	°C, °F	°C, °F	°C, °F	%
Measurement Range	-40 to 80°C	-60 to 155°C	0 to 55°C	10 to 95%RH
Accuracy	Avg±0.5°C	Avg±0.3°C [-20 to 80°C] Avg±0.5°C [-40 to -20°C / 80 to 110°C] Avg±1.0°C [-60 to -40°C / 110 to 155°C]	Avg±0.3°C	±5%RH [at 25°C and 50%RH]
Measurement Resolution	0.1°C	0.1°C	0.1°C	1%RH
Responsiveness	<u>Thermal Time Constant:</u> Approx. 15 min. Approx. 25 min.(L Type) <u>Response Time (90%):</u> Approx. 35 min. Approx. 47 min.(L Type)	<u>Thermal Time Constant:</u> Approx. 30 sec. (in air) Approx. 4 sec. (in agitated water) <u>Response Time (90%):</u> Approx. 80 sec. (in air) Approx. 7 sec. (in agitated water)	<u>Response Time (90%):</u> Approx. 7 min.	
Logging Capacity	16,000 readings		8,000 data sets (One data set consists of readings for multiple channels.)	
Recording Intervals	Select from 15 choices: 1,2,5,10,15,20,30 sec. or 1,2,5,10,15,20,30,60 min.			
Recording Mode (*1)	Endless (Overwrite oldest data when capacity is full) or One Time (Stop recording when capacity is full)			
LCD Display Items	Measurements (alternating display for multiple channel devices), Battery Life Warning, etc.			
Communication Interfaces	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)(*4)			
Wireless Transmission Range	Approx. 150 meters (500 ft) if direct and unobstructed			
Power	Lithium Battery: LS14250(*2) x 1 L Type: Large Capacity Battery Adaptor Kit (RTR-500B1)(*3) External Power Adaptor Kit (RTR-500A1: sold separately)			
Battery Life (*4)	About 10 months L Type: About 4 years			

RTR-501 / 501L



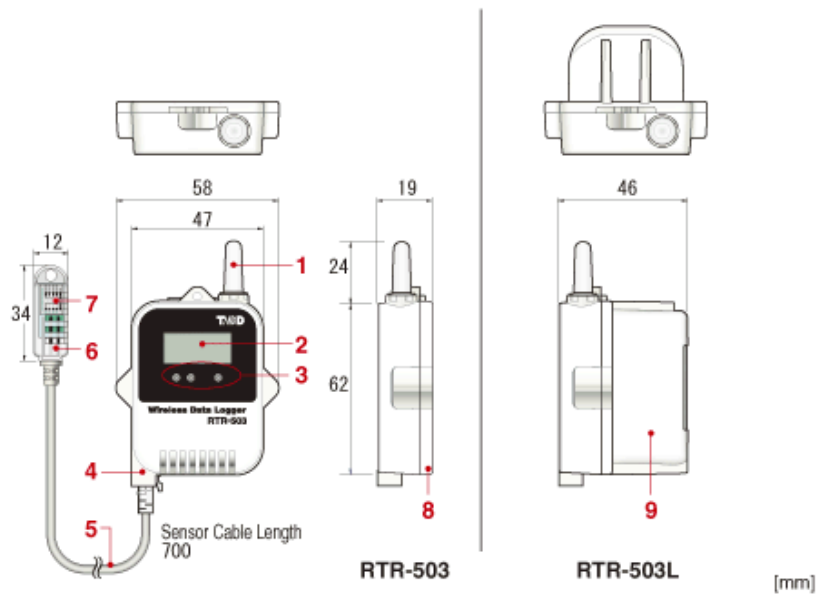
- 1: Antenna
- 2: LCD Display
- 3: Optical communication Area
- 4: Back Case
- 5: Large Capacity Battery Case

RTR-502 / 502L



- 1: Antenna
- 2: LCD Display
- 3: Optical communication Area
- 4: Sensor Jack
- 5: Fluoropolymer-coated Electrical Wire
- 6: Thermistor
- 7: Back Case
- 8: Large Capacity Battery Case

RTR-503 / 503L



- 1: Antenna
- 2: LCD Display
- 3: Optical communication Area
- 4: Sensor Jack
- 5: Vinyl Chloride Coated Electrical Wire
- 6: Polypropylene Resin
- 7: Temperature/Humidity Sensor
- 8: Back Case
- 9: Large Capacity Battery Case