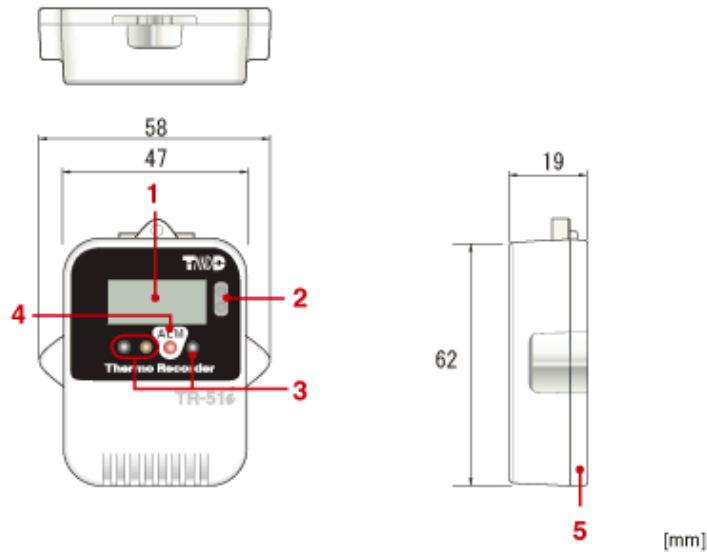


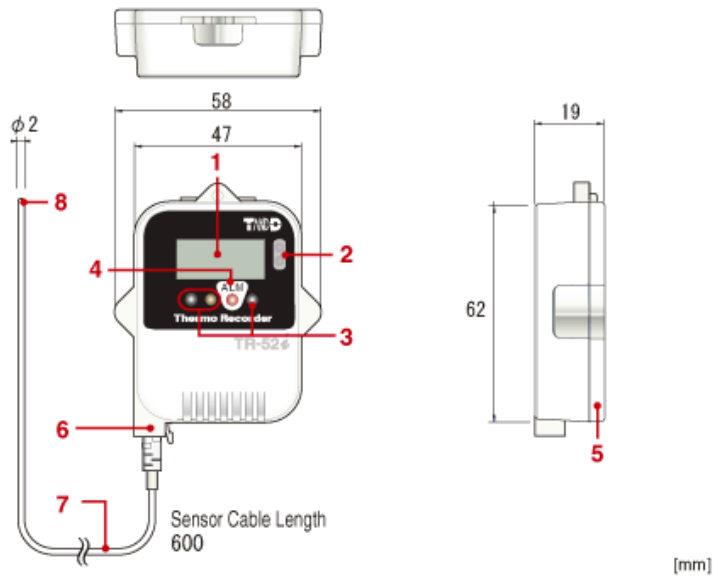
	TR-51i	TR-52i
Measurement Channels	Temperature 1ch (Internal)	Temperature 1ch (External)
Sensor	Thermistor	Thermistor
Units of Measurement	°C, °F	°C, °F
Measurement Range	-40 to 80°C	-60 to 155°C
Responsiveness	Thermal Time Constant: Approx. 15 min. Response Time (90%): Approx. 35 min.	Thermal Time Constant: Approx. 30 sec. (in air) Approx. 4 sec. (in agitated water) Response Time (90%): Approx. 80 sec. (in air) Approx. 7 sec. (in agitated water)
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)
Measurement Resolution	0.1°C	
Logging Capacity	16,000 readings	
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)	
LCD Display Items	Measurements, Recording Status, Battery Life Warning, etc.	
Communication Interfaces	Optical Communication (proprietary protocol) Infrared Communication (IrPHY 1.2 low power)	
Power	Lithium Battery: LS14250 (*1) or CR2 (*2) x 1	
Battery Life(*3)	Approx. 4 years (2 years with Infrared Communication Enabled)	
Dimensions	H 62 mm x W 47 mm x D 19 mm (excluding protrusions and sensor)	
Weight	Approx. 54 g (including battery)	Approx. 55 g (including battery / excluding sensor)
Operating Environment	Temperature: -40 to 80°C	
Waterproof Capacity	IP67: Immersion proof	IP64: Splash proof (rated for use in daily life) (*4)
Accessories	-	Temperature Sensor (TR-5106)
	Lithium Battery (LS14250), Strap, User's Manual (Warranty Included)	
Data Collection Devices	Communication Port: TR-50U2, TR-50U Data Collector: TR-57DCi, TR-57U, RTR-57U	
<p>(*1) The included lithium battery (LS14250) is not sold in stores. Please purchase the optional battery set (TR-11P2) for replacement.</p> <p>(*2) Only use the CR2 within temperature range of -20 to 60 °C, avoiding exposing the CR2 to excessive vibration such as transportation.</p> <p>(*3) Battery life depends upon the measuring environment, recording interval, and quality of the battery being used. When infrared communication function is enabled, battery life may be further shortened if the unit is used under the inverter type fluorescent lighting.</p> <p>(*4) This is the waterproof capacity of the data logger with the sensor connected.</p>		

TR-51i



- 1. LCD Display
- 2. Infrared Port
- 3. Optical Communication Area
- 4. ALM (Warning LED)
- 5. Battery Cover

TR-52i



TR-52i is not water resistant unless the sensor has been connected.

- 1. LCD Display
- 2. Infrared Port
- 3. Optical Communication Area
- 4. ALM (Warning LED)
- 5. Battery Cover
- 6. Sensor Jack
- 7. Fluoropolymer Coated Electrical Wire
- 8. Thermistor