for Food Safety...

RTR-601 Wireless Core Temperature Data Logger
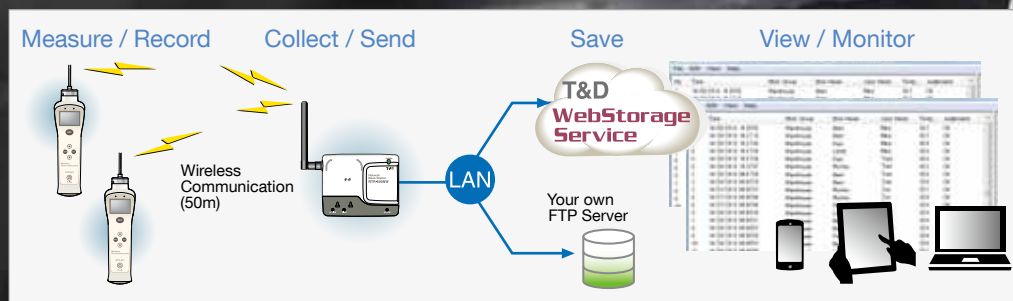
- Oilproof
- Waterproof
- Simple Operation
- Non-Contact Charging

- One press of a button logs all your measurement data: temperature, time, user, item, and alarm.
- Totally sealed design ensures no oil or water corrosion.
- Free software makes registration and setup a snap.

Auto upload logged data to our cloud service or your FTP server for easy viewing from mobile devices and PCs

Measure / Record   Collect / Send   Save   View / Monitor

Wireless Communication (50m)

T&D WebStorage Service

LAN

Your own FTP Server

① RTR-601-110 (Short Sensor)

② RTR-601-130 (Long Sensor)

③ RTR-601-E10 (Cable Type Short Sensor)

④ RTR-601-E30 (Cable Type Long Sensor)

Each sensor type has a different tip shape: the long type sensor has a round tip; and the short type sensor has a sharp tip (for piercing target object).

Battery Charge Dock

RTR-6BD (required)
Battery Charger with USB Communication
Accessories:
 AC Adaptor (AD-05A3)
 USB Communication Cable (US-15C)
 Wall Mount Screw (x 3)

Compatible Base Units / Repeaters

RTR-500NW/AW
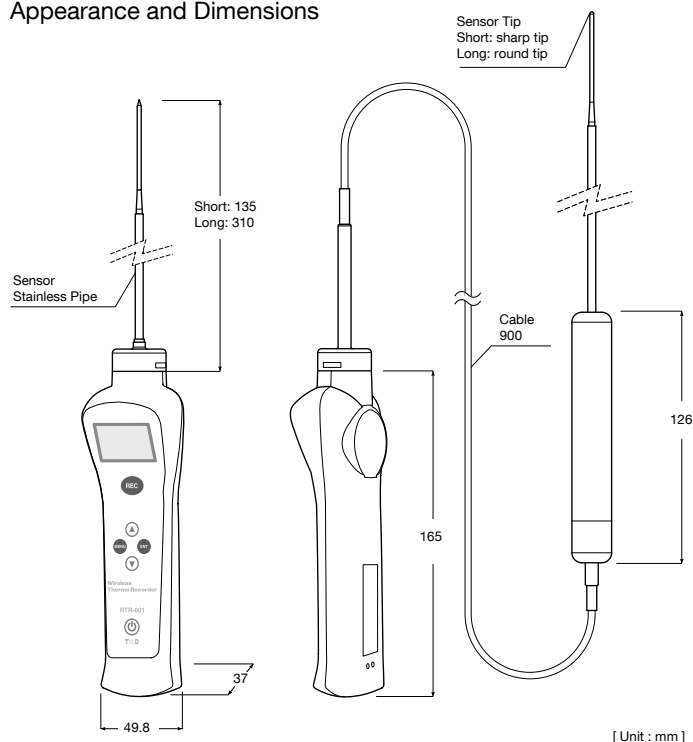Base Unit (required)

RTR-500
Repeater (optional)

■ Distributor

Measurement Channels	Temperature 1ch
Sensor	Platinum Resistance (Pt1000)
Measurement Units	°C, °F
Measurement Range	−60 to 250 °C
Accuracy	±0.5 °C [−10 to 150 °C] ±1.0 °C [−60 to −10°C / 150 to 250 °C]
Measurement Resolution	0.1°C

Responsiveness	Thermal Time Constant:
	  Approx. 12 sec. (in air)
	  Approx. 2 sec. (in agitated water)
	Response Time (90%):
	  Approx. 60 sec. (in air)
	  Approx. 3 sec. (in agitated water)

Measurement / Display Interval	0.5 sec.
Recording Items	Temperature, Measurement Time, User, Item, Judgement Result
Logging Capacity	1,800 readings
Recording Mode	Endless (Overwrite oldest data when capacity is full)
LCD Display Items	Temperature, Current Date / Time, User, Item, Battery Level, etc.
Communication Interfaces	Wireless Communication (Short Range Radio Communication) FCC Part15 Section247 / IC RSS-210 (Frequency Range: 902 to 928MHz, RF Power: 7mW)
Wireless Transmission Range	Approx. 50 meters if direct and unobstructed
Power	Two included AAA Ni-MH batteries (Non-Contact Charging System) (*1)
Battery Life	Approx. 24 hours (for Continuous Operation with Backlight Always ON)
Dimensions	H 165 mm × W 49.8 mm × D 37 mm (excluding sensor) Sensor Length: Short type 135 mm, Long type 310 mm
Weight	RTR-601-110 (Short Sensor) Approx. 135 g RTR-601-130 (Long Sensor) Approx. 150 g RTR-601-E10 (Cable Type Short Sensor) Approx. 185 g RTR-601-E30 (Cable Type Long Sensor) Approx. 200 g
Operating Environment	−10 to 60 °C
Waterproof Capacity	IP68: Submersible
Accessories	User's Manual (Warranty Included)
Compatible Base Units / Repeaters	Base Units: RTR-500NW / 500AW / 500 (*2) Repeater : RTR-500

*1: A Battery Charge Dock (RTR-6BD) needs to be purchased separately.

*2: Customers wishing to use the RTR-500 as a Base Unit, please contact your local distributor for the communications protocol specifications to write your own software.

The specifications listed above are subject to change without notice.

Appearance and Dimensions

[Unit : mm]