

Wireless Data Logger

RTR-5 Series Options



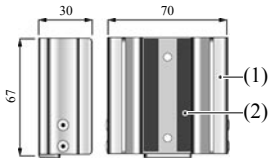
Options

unit : millimeters

Data Logger

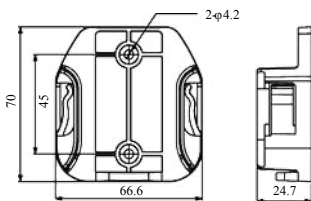
Wall Attachment : TR-05K1

Materials : (1) Aluminum (2) Neoprene



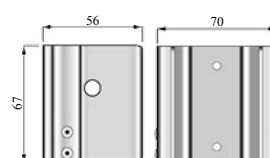
Wall Attachment : TR-05K3

Materials : Polycarbonate



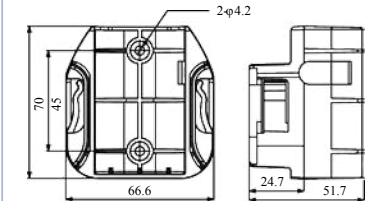
Wall Attachment : TR-05K1L

Materials : Aluminum



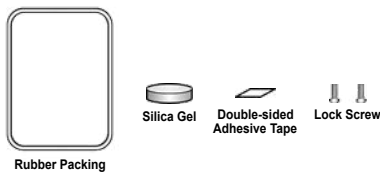
Wall Attachment : TR-05K3L

Materials : Polycarbonate



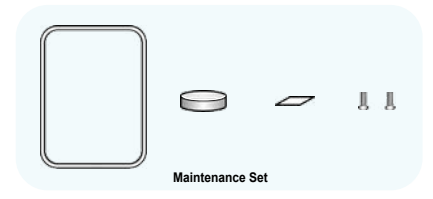
Maintenance Set : TR-00P1

Rubber Packing x 1
Silica Gel x 1
Double-sided Adhesive Tape x 1
Lock Screw x 2



Battery Set for Low-Temperature use : TR-11P2

Lithium battery SAFT(LS14250) x 1
Tube x 1
Maintenance Set x 1

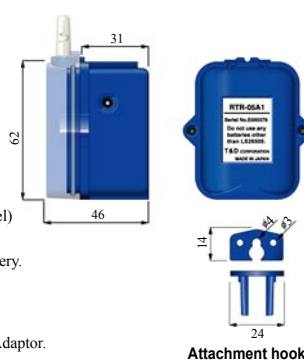


External Power Adaptor : RTR-05A1

Voltage Input : DC6V
Back-up Power : Ni-MH Battery (In case of power loss)
Back-up Time : 4 days (*1)
Charging Method : Trickle Charge
Operating Temperature : 0 to 60°C
Waterproof Capacity : None
Weight : about 37g (without AC Adaptor)

Kit Contents :
Attachment hook x 1
Rubber Packing x 1 (for back of main unit)
Rubber Packing (small) x 1 (for AC Adaptor jack)
Silica Gel Pack (drying agent) x 1
Double-sided Adhesive Tape x 1 (for fastening Silica Gel)
Screws x 2 (extras for fastening back of main unit)

Install by taking off the back cover and removing the battery.



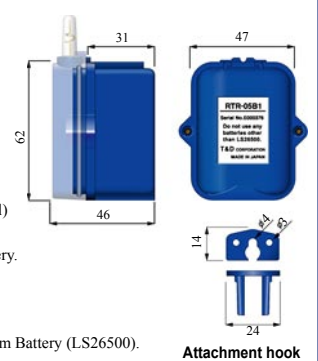
When using RTR-05A1, it is necessary to purchase AC-Adaptor.
For details, contact your local representative or dealer.

Large Capacity Battery Pack : RTR-05B1

Power : Lithium Battery x 1 (LS26500)
Battery Life : about 2 years and 6 months (*1)
(Monitoring at 1 minute interval = about 20 months)
Waterproof Capability : Splash proof
Operating Temperature : -40 to 80°C (*2)
Weight : about 75g (including Lithium Battery)

Kit Contents :
Attachment hook x 1
Rubber Packing x 1 (for back of main unit)
Silica Gel Pack (drying agent) x 1
Double-sided Adhesive Tape x 1 (for fastening Silica Gel)
Screws x 2 (extras for fastening back of main unit)

Install by taking off the back cover and removing the battery.

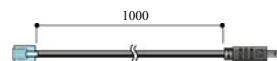


When using RTR-05B1, it is necessary to purchase Lithium Battery (LS26500).
For details, contact your local representative or dealer.

RTR-57U

Serial Communication Cable : TR-4C10

Cable Length : 40in (1.0m)
Compatible Models : VR-71



Serial Communication Cable : TR-6C10

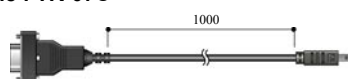
Cable Length : 40in (1.0m)
Compatible Models : TR-71U/72U



RTR-57U / RTR-50

Serial Communication Cable : TR-07C

Cable Length : 40in (1.0m)



USB Communication Cable : US-15C

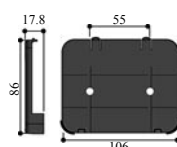
Cable Length : 60in (1.5m)



RTR-5W

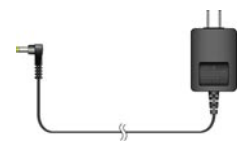
Wall Attachment : TR-5WK1

Double-sided Adhesive Tape x 1
Materials : Polycarbonate



AC-Adaptor : AD-0605

Cable Length : 74in (1.85m)



NOTE:

(*1) Battery Life varies depending on measuring environment, recording interval, transmission frequency, and ambient temperature. The battery life estimated here is calculated using a new battery under normal operating conditions and in no way should be understood as a guarantee of battery life.

(*2) Operating temperature depends on the specifications for the data logger being used.

Option Sensors

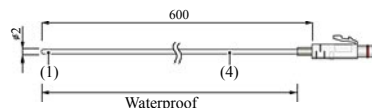
unit : millimeters

RTR-52

Possible Temperature Measurement Range : -60 to 155°C Sensor Temperature Resistance : -70 to 180°C
Temp Measurement Accuracy : Average $\pm 0.3^{\circ}\text{C}$ (-20 to 80°C) Average $\pm 0.5^{\circ}\text{C}$ (-40 to -20 / 80 to 110°C) Average $\pm 1.0^{\circ}\text{C}$ (-60 to -40°C / 110 to 155°C)
Materials : (1) Thermistor (2) Stainless pipe (SUS316) (3) Teflon Compaction Tube (4) Teflon Resin (FEP) - Shielded (5) Vinyl Coated Electrical Wire

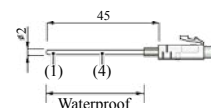
Teflon-Shielded Sensor : TR-5106

Cable Length : 24in (0.6m)
Thermal Time Constant :
Approx. 15 Sec. (in air)
Approx. 2 Sec. (in agitated water)



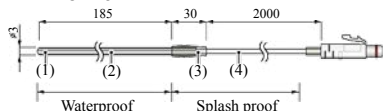
Teflon-Shielded Sensor : TR-5101

Cable Length : 1.8in (45mm)
Thermal Time Constant :
Approx. 15 Sec. (in air)
Approx. 2 Sec. (in agitated water)



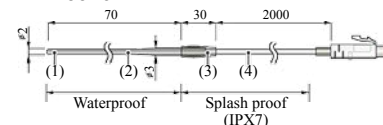
Stainless Protection Sensor : TR-5220

Cable Length : 80in (2.0m)
Thermal Time Constant :
Approx. 36 Sec. (in air)
Approx. 7 Sec. (in agitated water)



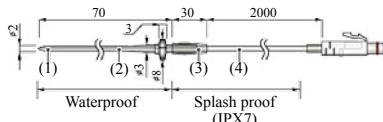
Stainless Protection Sensor : TR-5320

Cable Length : 80in (2.0m)
Thermal Time Constant :
Approx. 15 Sec. (in air)
Approx. 2 Sec. (in agitated water)



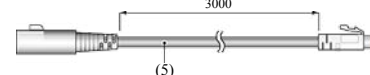
Stainless Protection Sensor : TR-5420

Cable Length : 80in (2.0m)
Thermal Time Constant :
Approx. 12 Sec. (in air)
Approx. 2 Sec. (in agitated water)



Sensor Extension Cable : TR-2C30

Cable Length : 120in (3.0m)
Splash Resistant (IP64)



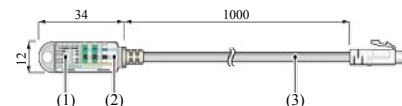
NOTE:
Only one cable per sensor. When using the extension cable there will be a $+3.0^{\circ}\text{C}$ at normal temperature and at -50°C a gap of $+0.5^{\circ}\text{C}$ may occur.

RTR-53

Materials : (1) Temperature/Humidity Sensor (2) Polypropylene Resin (3) Vinyl Coated Electrical Wire

Temp / Humidity Sensor : TR-3310

Cable Length : 40in (1.0m)
Possible Temperature Measurement Range : 0 to 55°C
Possible Humidity Measurement Range : 10 to 95%RH
Sensor Temperature Resistance : -10 to 60°C
Temp Measurement Accuracy : Average $\pm 0.3^{\circ}\text{C}$
Humidity Measurement Accuracy : $\pm 5\%\text{RH}$ (At 25°C 50%RH)
Service Life : 1 year (under normal operational conditions)
Operational Conditions : Without dew condensation, water leakage or effect from corrosive gas or organic solvents.



RVR-52A

Materials : (1) M3.5 Crimp Terminal (2) Vinyl Coated Electrical Wire (3) Connector

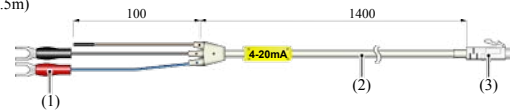
Pulse Input Cable : RPR-7101

Cable Length : 60in (1.5m)



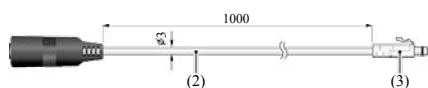
4-20mA Probe Cable : RVR-5203

Cable Length : 60in (1.5m)



Sensor Extension Cable (to Moisture Sensors) : VR-2C10

Cable Length : 40in (1.0m)



Option Software

T&D Recorder VLD for Windows® : VLD-5US

In order to comply with FDA 21 CFR Part 11, T&D Recorder VLD for Windows is complete with the following functions.

- Software Operation Password Protection
- Prevention of Data Manipulation via Password
- Recording of Software Operations History

Compatible Devices :

- Data Logger : RTR-51, RTR-52, RTR-53, TR-51A, TR-52
- Data Collector : RTR-57U, RTR-57C
- Communication Port : TR-50C

Accessories included in package :

T&D Recorder VLD for Windows Software CD-ROM $\times 1$ User's Manual $\times 1$

For details, contact your local representative or dealer.



Web Site
T&D Online

Product information, FAQ and software update downloads.

<http://www.tandd.com/>

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