

Wireless Data Logger RTR-5 Series Options



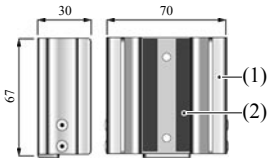
Options

unit : millimeters

Data Logger

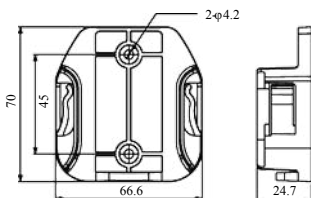
Wall Attachment : TR-05K1

Materials : (1) Aluminum (2) Neoprene



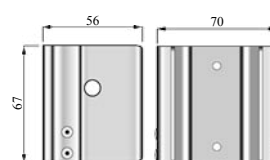
Wall Attachment : TR-05K3

Materials : Polycarbonate



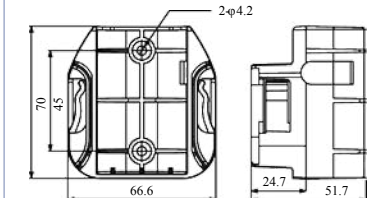
Wall Attachment : TR-05K1L

Materials : Aluminum



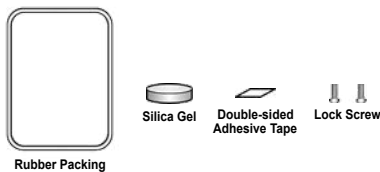
Wall Attachment : TR-05K3L

Materials : Polycarbonate



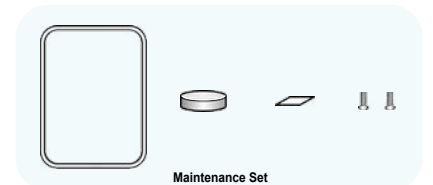
Maintenance Set : TR-00P1

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



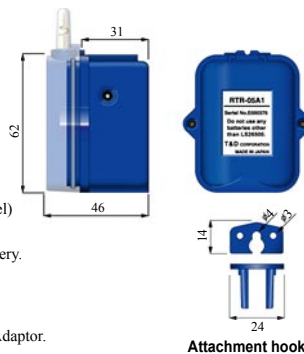
External Power Adaptor : RTR-05A1

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 Capability : 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.



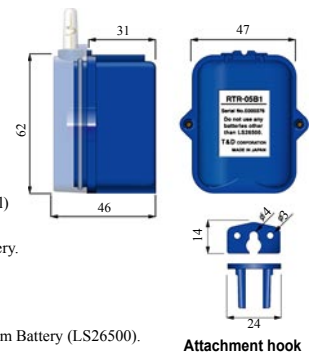
Large Capacity Battery Pack : RTR-05B1

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

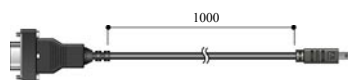
Cable Length : 40in (1.0m)
Compatible Models : TR-71U/72U



RTR-57U / RTR-50

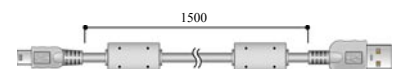
Serial Communication Cable : TR-07C

Cable Length : 40in (1.0m)



USB Communication Cable : US-15C

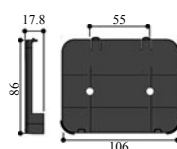
Cable Length : 60in (1.5m)



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.

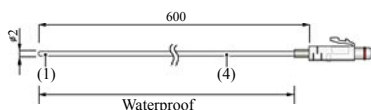
Option Sensors

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

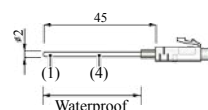
Teflon-Shielded Sensor : TR-5106

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



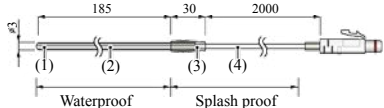
Teflon-Shielded Sensor : TR-5101

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



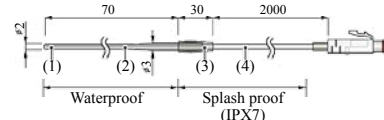
Stainless Protection Sensor : TR-5220

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



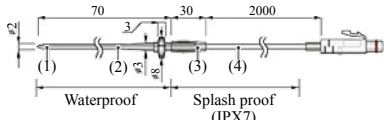
Stainless Protection Sensor : TR-5320

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



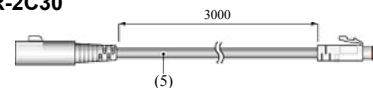
Stainless Protection Sensor : TR-5420

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)

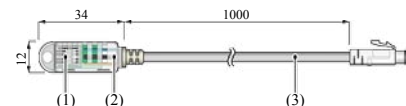


NOTE:
Only one cable per sensor. When using the extension cable there will be a $+3.0^\circ\text{C}$ at normal temperature and at -50°C a gap of $+0.5^\circ\text{C}$ may occur.

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 : $\pm 5\%RH$ (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

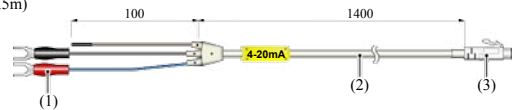
Pulse Input Cable : RPR-7101

Cable Length : 60in (1.5m)



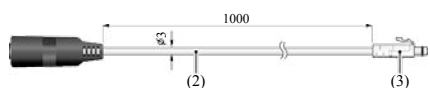
4-20mA Probe Cable : RVR-5203

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/>

Colors in the photos in this catalog may be different from real product colors. The specification and designs of the products in this catalog are true as of November 2006. Specifications are subject to change without notice. Microsoft®, Windows® are registered trademarks of Microsoft Corporation USA and other countries. Company names and product names are trademarks or registered trademarks of each company. Teflon® is a registered trademark of the Dupont Corporation and of the Mitsui Dupont Fluoro-chemical Corporations. Lotus® is a registered trademark of the Lotus Development Corporation. Pentium® is a registered trademark of the Intel America Corporation.



T&D Corporation

5652-169 Sasaga Matsumoto City.
Nagano 399-0033 Japan
Facsimile(+81)263-26-4281
E-mail: overseas@tandd.co.jp



TandD US, LLC.

Phone: (518) 669-9227
Fax: (413) 639-9227
E-mail: inquiries@tandd.com