

Compact Waterproof Data Logger

TR-5*i* Series



Infrared Interface
Easy-to-Read Display
Durable Waterproof Loggers



User Friendly Interface means: Power through Simplicity

The TR-5i Series is a family of data loggers designed to measure and record a variety of items: from temperature to pulse. The recorded data can then be easily collected with a compatible portable Data Collector or downloaded directly to a PC with a Communication Port.

Record → Collect → Analyze
The TR-5i Series makes it easy as 1-2-3

Data Loggers

Measure / Record

- Temperature ● Pt100 / Pt1000
- Thermocouple ● Voltage ● 4-20mA
- Pulse



Compact Design means Wider Application Possibilities

The compact size allows it to be placed almost anywhere. Also, its durable body with water-proof and dust proof capacity makes it possible to be used in harsh environments.



Low Energy Consumption Design means Longer Battery Life

Over one year of continuous use possible. Battery replacement mark lets you know when it is time for a new battery.



Warning LED on Unit

When a set limit has been exceeded the Warning LED will flash and a message will be displayed to give you the cause.



Data Collection Devices

Collect and Download Data

Via Infrared or Optical Communication



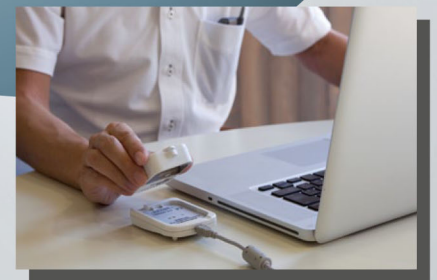
On-site Data Collection
On-the-spot Data Checking

Data collection via IR communication makes it possible to collect recorded data without ever having to move or touch the logger. The collected data can then be checked there on the spot...no need for a PC.



Simple!
Quick!

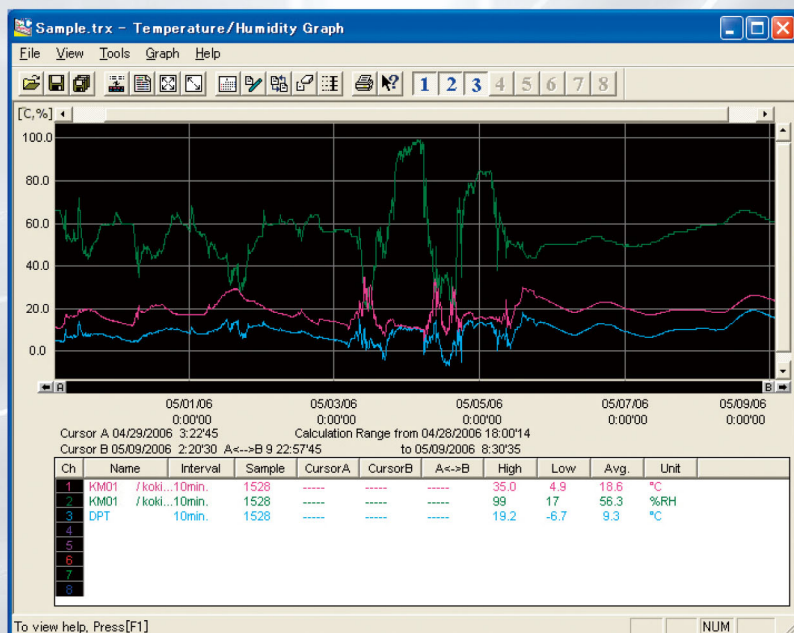
Recorded Data can be downloaded directly to a PC using a Communication Port: just connect and place logger on port. One unit of full data can be downloaded in just 25 seconds!



Software

Manage Settings and Analyze Data

This free of charge software is bundled with the Data Collection Device. Our user-friendly software makes all types of settings a snap: from setting up recording conditions and warning monitoring to carrying out adjustments and other functions. An easy to use graph program is also included for viewing, analyzing, and printing data.

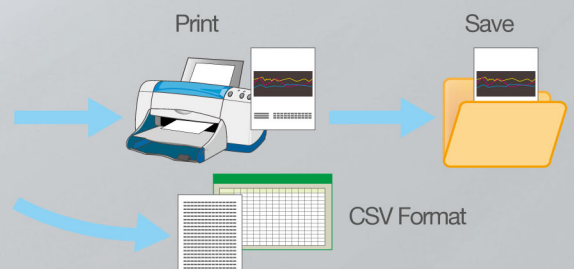


Graph View

Data List

High, Low, Ave Calc. Range	Highest	Lowest	Average	Date/Time	Print/Preview	Close					
Date / Time	KM01 / /koki01 °C	KM01 / /koki01 %RH	DPT	ch.1	ch.2	ch.3	ch.4	ch.5	ch.6	ch.7	ch.8
05/04/2006 03:00:24	11.0	97	10.5								
05/04/2006 03:10:24	11.1	98	10.7								
05/04/2006 03:20:24	10.9	98	10.5								
05/04/2006 03:30:24	11.1	99	10.9								
05/04/2006 03:40:24	10.9	99	10.7								
05/04/2006 03:50:24	11.1	99	10.9								
05/04/2006 04:00:24	11.0	98	10.6								
05/04/2006 04:10:24	10.7	98	10.3								
05/04/2006 04:20:24	10.7	99	10.5								
05/04/2006 04:30:24	10.4	98	10.0								
05/04/2006 04:40:24	10.4	93	9.3								

Table View



Temperature



TR-51i

Measurement Range: -40 to 80 °C
 Water Resistance: IP67 (Immersion Proof)
 Temperature Sensor: Thermistor



TR-52i

Measurement Range: -60 to 155 °C
 Water Resistance: IP64 (splash proof / rated for use in daily life)
 External Temperature Sensor (TR-5106) Included

Voltage



TR-55i-V

Measurement Range: 0 to 22 V
 Input Module (VIM-3010) Included
 Measurement Resolution: Minimum of 0.1 mV
 Preheat Function

4-20mA



TR-55i-mA

Measurement Range: 0 to 20 mA (Operational up to 40 mA)
 Input Module (AIM-3010) Included

Temperature - Thermocouple



TR-55i-TC

Measurement Range:

- K: -199 to 1300 °C
- J: -199 to 750 °C
- T: -199 to 400 °C
- S: -20 to 1700 °C

Input Module (TCM-3010) Included (Sensor not sold by T&D)

Temperature - Pt100 / Pt1000



TR-55i-Pt

Measurement Range: -199 to 600 °C

Input Module (PTM-3010) Included (Sensor sold separately)

Pulse Count



TR-55i-P

Measurement Range: Pulse count 0-61,439

Signal Input: Contact Input / Voltage Input

Input Frequency: 0 - 3.5 kHz

Input Cable (PIC-3150) Included

For use with Voltmeters, Flow Meters and Passage Counters



EN 12830 Compliance

TR-51i and TR-52i data loggers comply with EN12830, the European Standard regarding temperature recorders for the transport, storage and distribution of chilled, frozen, deep-frozen and quick-frozen food.

Portable Data Collector TR-57DCi

- ▶ Collect data on site; No PC necessary.
- ▶ Data can be downloaded via Infrared or Optical Communication.
- ▶ One logger at full storage capacity can be downloaded via IR communication in 55 seconds or via optical communication in about 24 seconds.
- ▶ The collected data can be immediately viewed on site and checked for warning occurrences.
- ▶ The Data Collector can store recorded data from up to 16 loggers at full capacity.



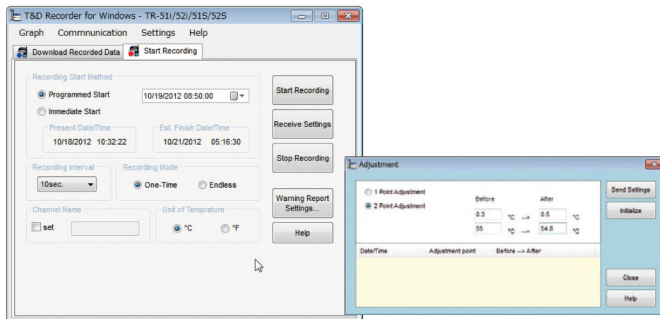
Communication Port TR-50U2

- ▶ Use for downloading data directly to a PC
- ▶ Download data from a logger at full storage capacity in about 25 seconds.
- ▶ The unit operates via USB bus power so no need for more wires and plugs.
- ▶ Possible to specify a time period of data for downloading so you get only the data you want.



Intuitive User Friendly Graph

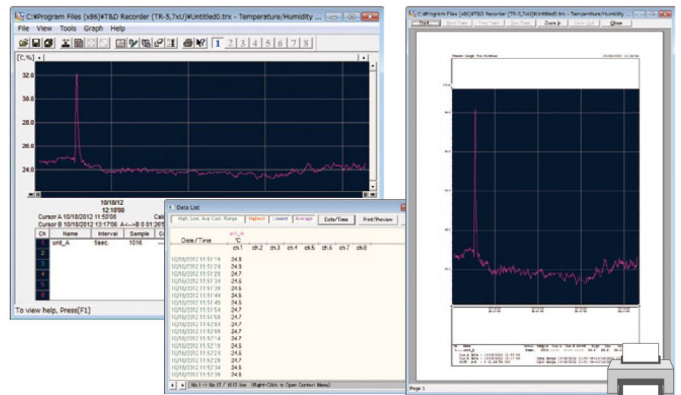
- The software makes it possible to make various detailed recording settings such as the interval at which you want recording to occur and the timing of recording start.



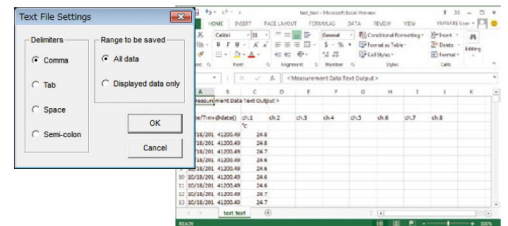
- By making upper and lower limit settings it is possible to monitor measurements for warnings and when one occurs the unit's LED will flash. It is also possible to find out the time of the warning.



- The included Graph application enables easy analysis of the recorded data.

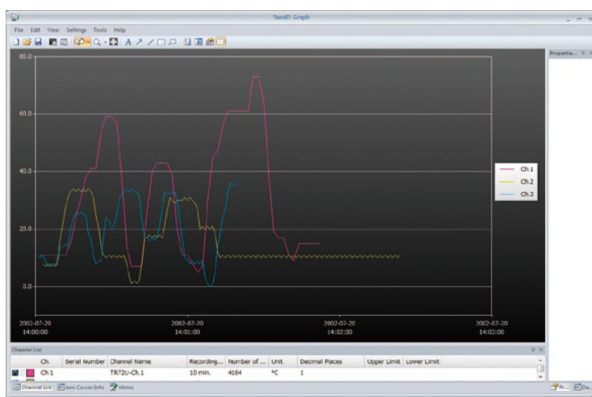


- It is possible to output data as text format file (CSV) for use with common spreadsheet software.



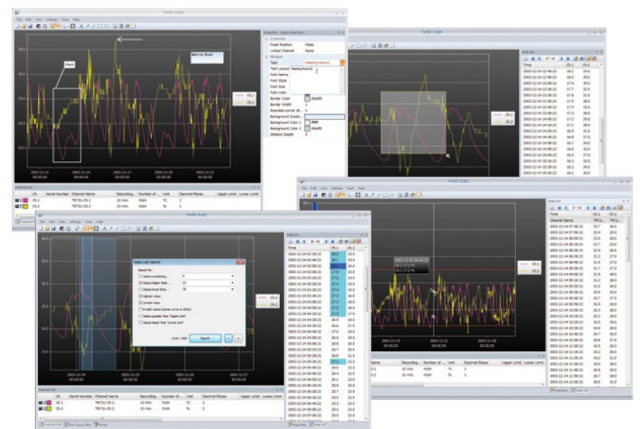
Next Generation Graph Application: "Graph (beta version)"

- All data can be viewed in one graph window, regardless of the data format or from what type of device the data came from.



- Compatible with recorded data of any format from all loggers
- Even from multiple sets of data it is possible to open only the data you wish to view by specifying filters.

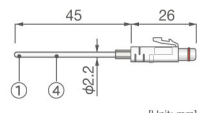
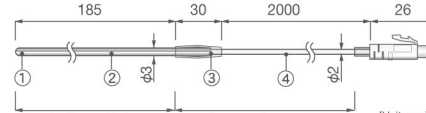
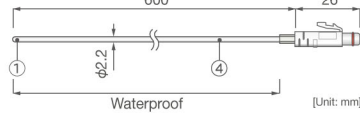
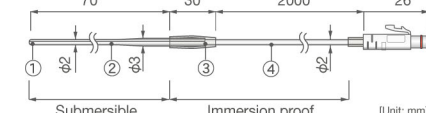
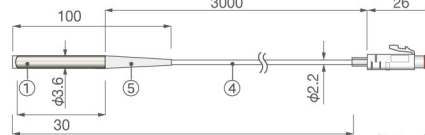
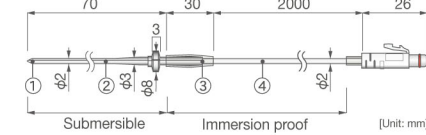
- Provides even more visual ways to display and analyze recorded data.



- Save memos, comments and figures with the graph.
- Search and filter recorded data to get only the data you need
- Merge multiple sets of data

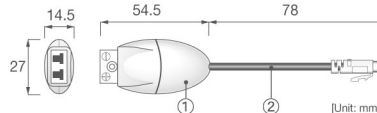
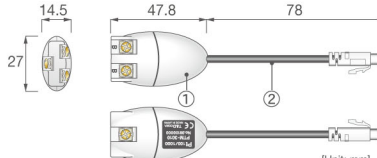
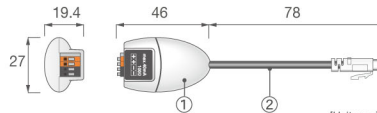
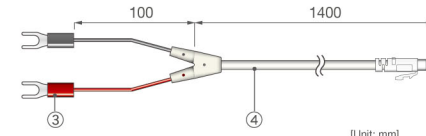
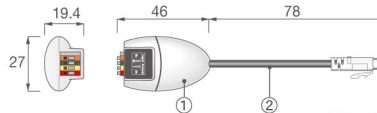
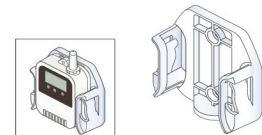
Temperature Sensors for TR-52i

Measurement Range: -60 to 155°C / Sensor Temperature Durability: -70 to 180°C
 Accuracy: 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)
 Materials: ①Thermistor ②Stainless pipe (SUS316) ③Fluoropolymer Compaction Tube ④Fluoropolymer Coated Electrical Wire ⑤Fluoropolymer Mold

<p>Fluoropolymer Coated Sensor</p> <p>TR-5101</p> <p>Response Time (90%): Approx. 80 sec. (in air)</p>  <p>[Unit: mm]</p>	<p>Stainless Protection Sensor</p> <p>TR-5220</p> <p>Response Time (90%): Approx. 150 sec. (in air) Approx. 7 sec. (in agitated water)</p>  <p>[Unit: mm]</p>
<p>TR-5106</p> <p>Response Time (90%): Approx. 80 sec. (in air) Approx. 7 sec. (in agitated water)</p>  <p>[Unit: mm]</p>	<p>TR-5320</p> <p>Response Time (90%): Approx. 90 sec. (in air) Approx. 3 sec. (in agitated water)</p>  <p>[Unit: mm]</p>
<p>Underwater Sensor</p> <p>TR-5530</p> <p>Response Time (90%): Approx. 150 sec. (in air) Approx. 15 sec. (in agitated water)</p>  <p>[Unit: mm]</p>	<p>TR-5420</p> <p>Response Time (90%): Approx. 90 sec. (in air) Approx. 3 sec. (in agitated water)</p>  <p>[Unit: mm]</p> <p>Temperature Sensor Extension Cable for TR-52i</p> <p>TR-2C30</p> <p>Cable Length: 3m Waterproof Capacity: Splash proof (rated for use in daily life) Temperature Durability: -25 to 60 °C</p> <p>Note: Only one extension cable per sensor. Using an extension cable may lead to measurement errors of +0.3°C at room temperature, and +0.5°C at -50°C.</p>

Input Modules for TR-55i

Materials: ①Polycarbonate ②Vinyl Coated Electrical Wire ③M3.5 Crimp Terminal ④Vinyl Coated Electrical Wire
Note: Input Module is not water resistant.

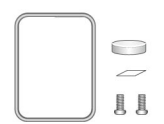
<p>Thermocouple Module (TR-55i-TC)</p> <p>TCM-3010</p> <p>Compatible Sensors: Thermocouple: Type K, J, T, S Sensor Connection: Miniature Thermocouple Connector Operating Environment: Temperature: -40 to 80°C Humidity: 90%RH or less (no condensation)</p>  <p>[Unit: mm]</p>	<p>Pt Module (TR-55i-Pt)</p> <p>PTM-3010</p> <p>Compatible Sensors: Pt100 (3-wire), Pt1000 (3-wire) Sensor Connection: Screw Clamp Terminal Block: 3-Terminal Operating Environment: Temperature: -40 to 80°C Humidity: 90%RH or less (no condensation)</p>  <p>[Unit: mm]</p>
<p>4-20mA Module (TR-55i-mA)</p> <p>AIM-3010</p> <p>Measurement Range: 0 to 20mA (Operational up to 40 mA) Accuracy: ± (0.5 mV + 0.3 % of reading) (for Input Module operating environment of 10 to 40°C) ±0.05 mA + 0.3 % of reading Operating Environment: Temperature: -40 to 80°C Humidity: 90%RH or less (no condensation)</p>  <p>[Unit: mm]</p>	<p>Pulse Input Cable (TR-55i-P)</p> <p>PIC-3150</p>  <p>[Unit: mm]</p>
<p>Voltage Module (TR-55i-V)</p> <p>VIM-3010</p> <p>Measurement Range: 0 to 22 V Accuracy: ± (0.5 mV + 0.3 % of reading) (for Input Module operating environment of 10 to 40°C) ±0.5 mV + 0.3 % of reading Measurement Resolution: Minimum of 0.1mV Preheat Function: 3V to 20V, 100mA Operating Environment: Temperature: -40 to 80°C Humidity: 90%RH or less (no condensation)</p>  <p>[Unit: mm]</p>	<p>Input Module Extension Cable</p> <p>TR-3C30</p> <p>Cable Length: 3m Waterproof Capacity: Splash proof (rated for use in daily life) Temperature Durability: -25 to 60 °C</p> <p>Note: Up to 1 extension cables can be connected to one sensor.</p> <p>Common for TR-51i / 52i / 55i</p> <p>Wall Attachment</p> <p>TR-05K3</p> <p>Accessories: Screws and Double-sided adhesive tape Operational Environment Temp: -40 to 80°C Materials: Polycarbonate Note: Cracking may occur if polycarbonate is exposed to strong impact at temperatures of -30°C or lower.</p> 

Common for TR-51i / 52i / 55i

Maintenance Set

TR-00P1

Package Contents:
 Rubber packing (for underside of logger lid)
 Silica gel (drying agent)
 Double-sided tape (for affixing silica gel)
 Screws (spare for back of data logger)



Battery Set

TR-11P2

Package Contents:
 Lithium Battery (LS14250)
 Maintenance Set (TR-00P1)



Pt100 Sensors for TR-55i-Pt

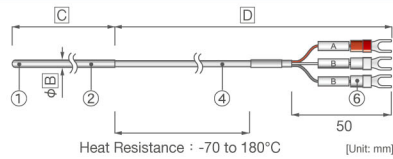
Sensor Element: Pt 100, Specified current: 2mA or below, Insulation resistance: DC500V 10MΩ or below, Conductor wire: 3-wire type, Measurement accuracy: ±(0.15-0.002×t) °C (t= temperature measurement absolute value), Water resistance: None (Stainless Protection part is waterproof)

Materials: ①Sensor (Pt100) ②Stainless Protection Sensor (SUS316) ③Sleeve (SUS304) ④Fluoropolymer Coated Electrical Wire ⑤Vinyl Coated Electrical Wire ⑥Crimp Terminal

Optional Pt100 Sensors

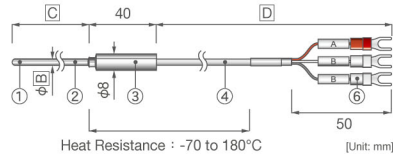
**TR-8100
Economical Type**

Temperature Measurement Range: -50 to 200°C
Thermal Time Constant:
Approx. 4.5 sec. (in agitated water)



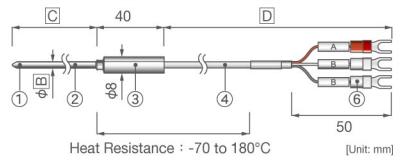
**TR-8110
Room Temperature Type**

Temperature Measurement Range: -50 to 350°C
Thermal Time Constant:
Approx. 2 sec. (in agitated water)



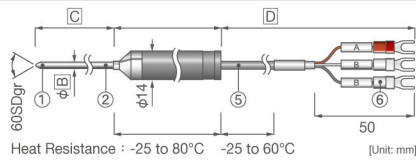
**TR-8120
Low to High Temperature Type**

Temperature Measurement Range: -20°C to 600°C
Thermal Time Constant:
Approx. 2 sec. (in agitated water)



**TR-8130
Handy Type**

Temperature Measurement Range: -50 to 200°C
Thermal Time Constant:
Approx. 2.5 sec. (in agitated water)



Note: Stated thermal time constant is for sensors with a protection pipe diameter of φ3.2.

Sensor Configuration & Ordering

Pt100 Sensors are produced only upon receipt of order; therefore please allow three weeks from the time of order until shipping.

When ordering Pt100 optional sensors, please determine the order number in the following manner: [A: Sensor Type] - [B: Protection Pipe Diameter] - [C: Protection Pipe Length] - [D: Cable].

TR-81[A]-[B]-[C]-[D]M

A Sensor Type

00, 10, 20, or 30

C Sensor Protection Pipe Length

The protection pipe is available in 50 millimeter units in lengths from 50mm to 2000mm.

D Sensor Cable Length

The sensor cable is available in 1 meter units in lengths from 1 meter to 99 meters.

B Sensor Protection Pipe Diameter

Please select from below:

	TR-8100	TR-8110	TR-8120	TR-8130
2.0mm	×	○	×	×
2.3mm	○	○	×	×
3.0mm	○	○	×	×
3.2mm	◎	◎	◎	◎
4.8mm	○	○	○	○
6.0mm	○	○	×	×
6.4mm	×	×	○	×

◎: Recommended ○: Available ×: Not available

EX1:

TR-8100 with 2.3mm diameter x 50mm sheath with 1m of cable:
Order Number: "TR-8100-2.3-50-1M"

EX2:

TR-8120 with 3.2mm diameter x 200mm sheath with 5m of cable:
Order Number: "TR-8120-3.2-200-5M"

TR-51i / 52i Specifications

Unit Type	TR-51i	TR-52i
Measurement Channels	Temperature 1ch (Internal)	Temperature 1ch (External)
Sensor	Thermistor	Thermistor
Measurement Units	°C, °F	°C, °F
Measurement Range	-40 to 80°C	-60 to 155°C
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	0.1°C
Reponsiveness	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)
Logging Capacity	16,000 readings	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 (*1)	Lithium Battery (LS14250) x 1	
Battery Life (*2)	Approx. 4 years (2 years with Infrared Communication Enabled)	
Dimensions	H 62 mm x W 47mm x D 19 mm (excluding protrusions and sensor)	
Weight	Approx. 54 g (including battery)	Approx. 55 g (including battery / excluding sensor)
Operating Environment	-40 to 80°C	
Waterproof Capacity	IP67: Immersion proof	IP64: Splash proof (rated for use in daily life) (*3)
Accessories	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	

*1: The included lithium battery (LS14250) is not sold in stores. Please purchase the optional battery set (TR-11P2) for replacement.

*2: 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.

*3: This is the waterproof capacity of the data logger with the sensor connected.

The specifications listed above are subject to change without notice.

Specifications for TR-55i					
Unit Type	TR-55i-TC	TR-55i-Pt	TR-55i-V	TR-55i-mA	TR-55i-P
Measurement Channels	Temperature 1ch	Temperature 1ch	Voltage 1ch	4-20mA 1ch	Pulse Count 1ch
Sensor	Thermocouple: Type K, J, T, S	Pt100, Pt1000 (3-wire)	-	-	-
Measurement Units	°C, °F	°C, °F	V, mV	mA	P
Measurement Range	-199 to 1700 °C	-199 to 600 °C	0 to 22 V	0 to 20 mA (Operational up to 40 mA)	Input Signal: · Non-voltage Contact Input · Voltage Input (0 to 27 V) Detection Voltage Lo: 0.5 V or less Hi: 2.5V or more Input Impedance Approx. 100 KΩ pull up Chattering Filter: ON: 15 Hz or less OFF: 3.5 kHz or less Maximum Count 61,439 / Recording Interval
Accuracy (*1)	Thermocouple Measurement $\pm(0.3\text{ }^\circ\text{C} + 0.3\% \text{ rdg})$ [Type K, J, T] $\pm(1\text{ }^\circ\text{C} + 0.3\% \text{ rdg})$ [Type S] Cold Junction Compensation $\pm 0.3\text{ }^\circ\text{C}$ [10 to 40 °C] $\pm 0.5\text{ }^\circ\text{C}$ [-40 to 10 °C / 40 to 80 °C]	$\pm(0.3\text{ }^\circ\text{C} + 0.3\% \text{ rdg})$ [10 to 40 °C] $\pm(0.5\text{ }^\circ\text{C} + 0.3\% \text{ rdg})$ [-40 to 10 °C / 40 to 80 °C]	$\pm(0.5\text{ mV} + 0.3\% \text{ rdg})$ [10 to 40 °C] $\pm(1\text{ mV} + 0.5\% \text{ rdg})$ [-40 to 10 °C / 40 to 80 °C]	$\pm(0.05\text{ mA} + 0.3\% \text{ rdg})$ [10 to 40 °C] $\pm(0.1\text{ mA} + 0.3\% \text{ rdg})$ [-40 to 10 °C / 40 to 80 °C]	
Note: The above temperatures [__ °C] are for the operating environment of the Input Module.					
Measurement Resolution	Type K, J, T: 0.1 °C Type S: approx. 0.2 °C	0.1 °C	Up to 400 mV : 0.1 mV, Up to 800 mV : 0.2 mV, Up to 999 mV : 0.4 mV, Up to 3.2 V : 1 mV, Up to 6.5 V : 2 mV, Up to 9.999 V : 4 mV, Up to 22 V : 10 mV	0.01 mA	
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(IR) Communication (IrPHY 1.2 low power)				
Power (*2)	Lithium Battery: LS14250 x 1				
Battery Life (*3)	Approx. 14 months (10 months with IR Communication Enabled)	Approx. 24 months (14 months with IR Communication Enabled)	Approx. 16 months (11 months with IR Communication Enabled)	Approx. 16 months (11 months with IR Communication Enabled)	Approx. 16 to 24 months (11 to 18 months with IR Communication Enabled)
Dimensions	H 62 mm x W 47 mm x D 19 mm (excluding protrusions and Input Module)				
Weight	Approx. 55 g (including battery / excluding Input Module)				
Operating Environment	-40 to 80°C				
Waterproof Capacity (*4)	IP64: Splash proof (rated for use in daily life) Note: Input Module is not water resistant.				
Accessories	Input Module (TCM-3010)	Input Module (PTM-3010)	Input Module (VIM-3010)	Input Module (AIM-3010)	Input Module (PIC-3150)
Lithium Battery (LS14250), Strap, User's Manual (Warranty Included)					
Data Collection Devices	Communication Port: TR-50U2, TR-50U Data Collector: TR-57DCi				

*1: "rdg" stands for reading.

*2: The included lithium battery (LS14250) is not sold in stores. Please purchase the optional battery set (TR-11P2) for replacement.

*3: Battery life varies depending upon the ambient temperature in which it is used, the recording interval, the frequency of communication, and the battery performance. All estimates are based on operations carried out with a new battery and are in no way a guarantee of actual battery life. Battery life may be shortened further if the unit is used under inverter type fluorescent lighting.

*4: This is the waterproof capacity of the data logger with the Input Module connected.

The specifications listed above are subject to change without notice.

Data Collection Device Specifications		
Device Name	TR-57DCi	TR-50U2
Compatible Devices	TR-5i Series: TR-51i / 52i / 55i-TC / 55i-Pt / 55i-V / 55i-mA / 55i-P TR-5S Series: TR-51S / 52S TR-5 Series: TR-51A / 52 RTR-5 Series: RTR-51 / 51A / 52 / 52A / 52Pt / 53 / 53A, RVR-52A (Including L Type) TR-7Ui Series: TR-71Ui / 72Ui / 74Ui / 76Ui / 77Ui TR-7U Series: TR-71U / 72U / 73U TR-7S Series: TR-71S / 72S VR-71	TR-5i Series: TR-51i / 52i / 55i-TC / 55i-Pt / 55i-V / 55i-mA / 55i-P TR-5S Series: TR-51S / 52S TR-5 Series: TR-51A / 52
Storage Capacity	Up to 256,000 readings When downloading from units filled to logging capacity: - 16 units of TR-51i/52i - 15 units of TR-55i - 16 units of TR-71Ui/72Ui/77Ui - 10 units of TR-73U/76Ui - 7 units of TR-74Ui When downloading from units of any type containing small amounts of data, it can store and manage up to 250 download sessions.	-
Communication Interfaces	<Between TR-57DCi - Data Logger(s)> Optical Communication (proprietary protocol) TR-5i/5S/5 Series, RTR-5 Series Infrared Communication (IrPHY 1.2 low power) TR-5i Series, TR-7Ui Series (*1) Serial Communication (RS-232C) TR-7Ui/7U/7S Series, VR-71(*2) <Between TR-57DCi - PC> USB Communication Serial Communication (RS-232C) (*3)	<Between TR-50U2 - Data Logger(s)> Optical Communication (proprietary protocol) <Between TR-50U2 - PC> USB Communication
Power	AAA Alkaline Battery (LR03) x 2 AAA Ni-MH batteries, AC adaptor (AD-0638), or USB bus power may also be used.	USB bus power
Battery Life	About 100 days at 1 hour of daily use (*4)	-
Dimensions	H 125 mm x W 58 mm x D 25.8 mm (excluding protrusions)	H 80 mm x W 56 mm x D 16.5 mm (excluding protrusions)
Weight	Approx. 110 g (including batteries)	Approx. 30 g
Operating Environment	Temperature: 0 to 50 °C Humidity: 90 %RH or less (no condensation)	Temperature: -10 to 60 °C Humidity: 90 %RH or less (no condensation)
Accessories	AAA Alkaline Battery (LR03) x 2, USB Communication Cable (US-15C), Serial Communication Cable (TR-6C10), Software (CD-ROM), User's Manual Set (Warranty Included) x 1	USB Communication Cable (US-15C), Software (CD-ROM), User's Manual Set (Warranty Included) x 1
Software	T&D Recorder for Windows (TR-5, 7xU)	
Compatible OS (*5)(*6)	Microsoft Windows 8 32 / 64 bit English Microsoft Windows 7 32 / 64 bit English Microsoft Windows Vista 32 bit (SP1 or later) English Microsoft Windows XP 32 bit (SP3 or later) English	

*1: Infrared Communication can be used only to download recorded data, and not to make recording settings.

*2: The following cables are necessary for serial communication with data loggers : TR-6C10 (included) for TR-7Ui/7U series, and TR-6C10 (optional) for TR-7S series and VR-71.

*3: The optional serial communication cable TR-07C is necessary for serial communication with PC.

*4: Battery life varies depending upon the ambient temperature in which it is used, the frequency of communication, and the battery performance. All estimates are based on operations carried out with a new battery and are in no way a guarantee of actual battery life.

*5: For installation, it is necessary to have Administrator (Computer Administrator) rights.

*6: If you are using Windows 8, please note that our software is designed to be used in "Desktop" mode only.

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Website: www.tashika.co.jp

DUE TO CONTINUOUS PRODUCT IMPROVEMENT, THE DESIGN AND TECHNICAL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

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