



BTM-4208SD

SD card real time data recorder 12 channels Temp.
RECORDER LUTRON



Type K Temp. probes (optional)

Features

- 12 channels Temperature recorder, use SD card to save the data along with time information, paperless.
- A real-time recorder saves the measuring data along with the time information (year, month, date, minute, second) into the SD memory card and can be downloaded to the Excel, extra software is not needed.
- Channels no. : 12 channels (CH1 to CH12) temperature measurement
- Sensor type: Type J/K/T/E/R/S thermocouple.
- Auto recorder or manual recorder.
- Recorder sampling time range: 1 to 3600 seconds.
- Type K thermometer: -100 to 1300 C
- Show CH1 to CH8 or CH9 to CH12 in the same LCD.
- Display resolution: 1 degree/0.1 degree .
- Time information: Year, Month, Date, Hour, Minute, and Second.
- Memory card size: 1 GB to 16 GB.
- Super large LCD with backlight, easy reading.
- Data hold, Record (Max., Min.).
- RS232/USB computer interface.
- Optional type K temperature probe: TP-01, TP-02A, TP-03, TP-04.
- DC 1.5V (UM-3, AA) x 8 PCs or DC 9V adapter in.
- Patent: Taiwan, China, Japan, Germany, USA pending.

ELECTRICAL SPECIFICATIONS (23± 5 °C)

Sensor Type Resolution Range

Accuracy

Type K 0.1 °C -50.1 to -100.0 °C ± (0.4 % + 1 °C) -50.0 to 999.9 °C ± (0.4 % + 0.5 °C) 1 °C 1000 to 1300 °C ± (0.4 % + 1 °C) 0.1 °F -58.1 to -148.0 °F ± (0.4 % + 1.8 °F) -58.0 to 999.9 °F ± (0.4 % + 1 °F) 1 °F 1000 to 2372 °F ± (0.4 % + 2 °F)

Type J 0.1 °C -50.1 to -100.0 °C ± (0.4 % + 1 °C) -50.0 to 999.9 °C ± (0.4 % + 0.5 °C) 1 °C 1000 to 1150 °C ± (0.4 % + 1 °C) 0.1 °F -58.1 to -148.0 °F ± (0.4 % + 1.8 °F) -58.0 to 999.9 °F ± (0.4 % + 1 °F) 1 °F 1000 to 2102 °F ± (0.4 % + 2 °F)

Type T 0.1 °C -50.1 to -100.0 °C ± (0.4 % + 1 °C) -50.0 to 400.0 °C ± (0.4 % + 0.5 °C) 0.1 °F -58.1 to -148.0 °F ± (0.4 % + 1.8 °F) -58.0 to 752.0 °F ± (0.4 % + 1 °F)

Type E 0.1 °C -50.1 to -100.0 °C ± (0.4 % + 1 °C) -50.0 to 900.0 °C ± (0.4 % + 0.5 °C) 0.1 °F -58.1 to -148.0 °F ± (0.4 % + 1.8 °F) -58.0 to 999.9 °F ± (0.4 % + 1 °F) 1 °F 1000 to 1652 °F ± (0.4 % + 2 °F)

Type R 1 °C 0 to 600 °C ± (0.4 % + 0.5 °C) 601 to 1700 °C ± (0.4 % + 1 °C) 1 °F 32 to 1112 °F ± (0.4 % + 1 °F) 1113 to 3092 °F ± (0.4 % + 2 °F)

Type S 1 °C 0 to 600 °C ± (0.4 % + 0.5 °C) 601 to 1500 °C ± (0.4 % + 1 °C) 1 °F 32 to 1112 °F ± (0.4 % + 1 °F) 1113 to 2732 °F ± (0.4 % + 2 °F)

REMARKS:

- Accuracy value is specified for the meter only.
- Accuracy is tested under the meter's environment temperature within 23 ±5°C.
- Linearity Correction: Memorize the thermocouple's curve into the intelligent CPU circuit.



DTM-T8

8 Channel thermocouple thermometer/Data Logger, Multiple type

DTM-T8 8 channel temperature data logger is a kind of high precision instrument, which has passed all strict calibrations and professional testing via the high precision instrument. Support 8 types of thermocouples(K, J, E, T, R, S, N, B), including thermocouple temperature compensation function and can measure temperature from -200 to 1800°C.

Features

- Sound & Light alarm if user-defined max/min values exceed.
- Large LCD display 2 channels / 8 channels data.
- Support 8 types thermocouples: K, J, E, T, R, S, N, B, Wide variety of interchangeable Thermocouple Probes.
- Switchable °C or °F with LCD Display.
- Download collected data through USB interface
- Memory for 86000 readings.
- Freely selectable measurement cycle from 2 seconds to 24 hour.
- Professional software for analysis.



SPECIFICATIONS

Measuring Range	-200~+1800°C
Resolution	0.1°C
Accuracy	±0.8°C±2%FS
Recording capacity	86000
Reaction time	1 seconds
Instrument operating environment	-0~80%RH/0~50°C
Package size	202(L)X165(W)X58mm(T)
Power supply	1pcs 9V battery
Accessory	PC software, battery, USB cable.

DTM-319

DTM-319 4-channel Temperature Data Logger thermo recorder

4 channels can
use multiple
K-type probes



The 4 - channel Digital Thermometer is a battery-powered temperature data logger with sensor already built inside the device. For sure, the product is a compact, which is easy for users to carry it everywhere. Furthermore, it is a practical device without difficult manipulation skills needed; customers can use this data logger in an efficient way. Last but not least, the item can measure temperature from $-200^{\circ}\text{C} \sim 1,370^{\circ}\text{C}$, which is ideal for all applications, especially in some circumstances requiring precise operation and measurement.

The temperature data logger is equipped with numerous advantages, which also make the device more convenient for users to operate. As we move on to the professional era, our continuing support through high quality standards and services for our customers worldwide will remain. To boost your business, choose TECPEL as your reliable and promising partner.

Features

- Temperature: $-200^{\circ}\text{C} \sim 1,370^{\circ}\text{C}$ ($-328^{\circ}\text{F} \sim 2,498^{\circ}\text{F}$)
- Data Logging capacity 16,000 records for each channel.
- 4 Digit LCD display for every tested point.
- Recording interval set up.
- Reading hold $^{\circ}\text{C}$ or $^{\circ}\text{F}$ annunciators.
- 4-channel thermocouples can be used simultaneously and recorded.
- MAX, MIN. Function
- Auto Power off
- Hold functions.
- Automatic low battery indication.
- High resolution 0.1°C , 0.1°F
- RS-232 Computer interface.
- Software program for Windows.
- Standard Tripod mount connector
- Certificate: CE

A temperature logger with four channels, compatible with K type of thermocouples, with 4 K-type thermocouples, and with the software includes downloading the stored information to a PC and graphing it in Excel or directly with its software of the thermometer data logger.

Measurement Range: $-200^{\circ}\text{C} \sim 1,370^{\circ}\text{C}$ ($-328^{\circ}\text{F} \sim 2,498^{\circ}\text{F}$)

Data Logger Accuracy :

- 200 to 200°C : $\pm(0.2\% \text{ reading} + 1^{\circ}\text{C})$
- 200°C to 400°C : $\pm(0.5\% \text{ reading} + 1^{\circ}\text{C})$
- 400°C to 1370°C : $\pm(0.2\% \text{ reading} + 1^{\circ}\text{C})$
- -328°F to 200°F : $\pm(0.5\% \text{ reading} + 1^{\circ}\text{F})$
- -200°F to 200°F : $\pm(0.2\% \text{ reading} + 1^{\circ}\text{F})$
- 200°F to 2498°F : $\pm(0.3\% \text{ reading} + 1^{\circ}\text{F})$

Temperature scale: $^{\circ}\text{C}$ or $^{\circ}\text{F}$ user-selectable
Resolution : 0.1°C or 0.1°F ($200^{\circ}\text{C} \sim 1370^{\circ}\text{C}$, 1°C)
Sensor: K type Thermocouple probe
Sampling rate: 3 seconds per testing circle
Input Protection: 60V DC or 24V RMS AC Maximum

Power Requirement	1 piece 9V battery
Dimensions	7.2" x 2.5" x 1.2" (184x64x30mm)
Weight	7.4 oz (210g)
Certificate	CE
Accessories	RS-232 cable and software for WINDOWS), Deluxe carrying case, owner manual, TPK- 01 bead probe x 2 pcs Option Accessory: AC adaptor(DC 9V), Special Type K thermocouples



DTM-386

Platinum resistance thermometer
Data logger pt100, Precision
RTD Thermometer 0.01°C

DTM-386 Platinum resistance RTD thermometer Data logger pt100 with high resolution of 0.01°C. DTM-386 is a handheld platinum resistance thermometer with extremely high measurement accuracy. It is suitable for low-temperature measurement and temperature detection that requires high measurement accuracy. Built-in 16,000 record function, can measure temperature changes for a long time, users can download the measurement data through USB, and browse the temperature graph and data on the computer.

SPECIFICATIONS

Measuring Range	-100 to 400°C (-148 to 752°F)
Accuracy	±0.05% + 0.1°C (±0.05% + 0.2°F)
Resolution	0.01°C (0.02°F)
Sensor Type	pt-100 4 wires (ALPHA=0.00385)
Sensor specification	IEC751, Class A
Sensor accuracy	±0.15°C±0.002t (t:measurement temperature)

FEATURES

- Maximum (Max) : 16,000
- Minimum
- Hold Function
- Auto Shut Off: 30 Minutes
- Back Light Time
- Over Range Indication: OL
- Low Battery Indicator
- Working environment: 0~50°C / lower than 80%RH without dew.
- Storage environment: -10~60°C / lower than 80%RH without dew.
- Elevation Limitation: Lower than 2,000 meters
- Power Supply: 9V battery (Optional DC 9V power supply)
- Battery life: Approx 100 hours
- Dimension : 185 x 65 x 36 mm
- Weight: 360 g
- Accessory: pt-100 probe, soft carrying case, and owner manual
- Optional Accessory : Transformer(9V), Transmission line (USB/RS-232), Software(SE-300)



DTM-319A

4-channel K. J. E. T. Type Thermocouple Temperature Data Logger thermo recorder

The 4 - Input Digital Thermometer DTM-319A is a battery-powered K, J, E, T Type temperature data logger with sensor already built inside the device. For sure, the product is a compact, which is easy for users to carry it everywhere. Furthermore, it is a practical device without difficult manipulation skills needed; customers can use this data logger in an efficient way. Last but not least, the item can measure temperature from -200°C ~ 1,372°C, which is ideal for all applications, especially in some circumstances requiring precise operation and measurement.

The temperature data logger is equipped with numerous advantages, which also make the device more convenient for users to operate. As we move on to the professional era, our continuing support through high quality standards and services for our customers worldwide will remain. To boost your business, choose TECPEL as your reliable and promising partner.



Features

- Temperature: K: -200°C ~ 1,370°C (-328°F ~ 2,498°F)
- Isolated input Protection up to 250V AC between two inputs.
- Data Logging capacity 16,000 records for each channel.
- 4 Digit LCD display for every tested point.
- Recording interval set up.
- Reading hold °C or °F annunciators.
- 4-channel thermocouples can be used simultaneously & recorded.
- MAX, MIN. Function
- Auto Power off
- Hold functions.
- Automatic low battery indication.
- High resolution 0.1°C, 0.1°F
- USB Computer interface.
- Software program for Windows.
- Standard Tripod mount connector

General Specifications

- Power Requirement: 1 piece 9V battery
- Dimensions: 7.2" x 2.5" x 1.2" (184 x 64 x 30mm)
- Weight: 7.4 oz(210g)
- Accessories: RS-232 cable and software for WINDOWS), Deluxe carrying case, English manual, TPK-01 bead probe x 2 pcs
- Option Accessory: AC adaptor(DC 9V), Special Type K thermocouples
- Certificate: CE

Measurement Range

- 200°C ~ 1,370°C (-328°F ~ 2,498°F)
- K: -200 ~ 1370 °C (-328 ~ 2501°F)
- J: -150 ~ 1000 °C (-238 ~ 1832 °F)
- E: -150 ~ 750 °C (-238 ~ 1382°F)
- T: -180 ~ 400°C (-292 ~ 752°F)

Temperature Coefficient: 0.01% of reading +0.05 °C per °C (28°C).
 Temperature scale: °C or °F user-selectable
 Resolution : 0.1°C or 0.1°F < 1000 ° (>1000 ° , 1°C)
 Sensor: K, J, E, T type Thermocouple probe
 Sampling rate: 3 seconds per testing circle
 Input Protection : 60V DC or 24V rms AC Maximum

Data Logger Accuracy

±(0.1% reading +0.7 °C); ±(0.1% reading +1.4 °F)
 Below -100°C (-148°F) ±(0.4% reading + 0.7 °C (1.4 °F)

The above accuracy of DTM-319A is specified for ambient temperature between 18°C (64 °F) and 28°C (82°F).
 The above specifications of DTM-319A do not include thermocouple sensor error.



DTM-385

DTM-385 Platinum resistance thermometer, PT100

DTM-385 is a hand-held platinum resistance thermometer with extremely high measurement accuracy. It is suitable for low-temperature measurement and temperature detection that requires high measurement accuracy.



Measuring Range	-100 to 400°C (-148 to 752°F)
Accuracy	±0.05% + 0.1°C (±0.05% + 0.2°F)
Resolution	0.01°C (0.02°F)
Sensor Type	pt-100 4 wires (ALPHA=0.00385)
Sensor Specification	IEC751, Class A
Sensor Accuracy	±0.15°C±0.002t (t: measurement temperature)

Features

- **Memory (MEM)** : 99
- **AUTO SHUT OFF** : 30 minutes
- **Working environment** : 0~50°C / lower than 80%RH without dew
- **Storage environment** : -10~60°C / lower than 80%RH without dew
- **Elevation Limitation** : Lower than 2,000 meters
- **Power Supply** : 9V battery (Optional DC 9V power supply)
- **Battery life** : Approx 100 hours
- **Dimension** : 185 x 65 x 36 mm
- **Weight** : 360g
- **Accessory** : pt-100 probe, soft carrying case, owners manual

Only for DTM-386 PT-100 Thermocouple data logger

Optional Accessory : Transformer(9V), Transmission line (USB/RS-232), Software(SE-300)

ALLIANCE SUPPLIES SDN.BHD.

www.alliance-supplies.com | www.alliancesuppliesonline.com.my | info@alliance-supplies.com | T:+606 3338889/8887/8898



DTM-305B, DTM-307B

Industrial Thermometer single
/ Dual inputs type K
thermocouples



This Digital industrial thermometer is especially designed and manufactured for industries. Customers may need a measuring device which can provide accurate measurement. In this case, our product is definitely your best choice to fulfill all your needs and expectations! Furthermore, if you want a durable temperature meter which can measure a wide range of temperature, the Digital Industrial Thermometer is a good choice as well. It's not only accurate, but also portable and convenient for precise measurement

DTM-305B

- -50°C ~ 1,300°C (-58°F ~ 2,000°F).
- Probe Connection Detector.
- 3 1/2 Digit LCD display.
- K-type thermocouple.
- Reading Hold °C of °F annunciators.
- Single thermocouple input.
- Switchable resolution 0.1°/1.0°
- Front panel offset adjustment.
- Automatic low battery indication.
- Maximum record.
- Overrange indication.

DTM-307B

- -50°C ~ 1,300°C (-58°F ~ 2,000°F).
- Dual input + 0.1 ° C resolution.
- Probe Connection Detector
- 3 1/2 Digit LCD display.
- K-type thermocouple.
- Function & unit sign display °C of °F annunciators.
- Dual thermocouple input.
- Differential temperature of the product (T1-T2).
- Front panel offset adjustment.
- Maximum record.
- Reading hold.
- Automatic low battery indication
- Overrange indication.
- With 0.1°C resolution.

SPECIFICATIONS

Measuring Range	-50°C to 1300°C (-58 °F to 2000 °F)
Accuracy	-50 °C to 1000 °C: $\pm(0.3\% \text{rdg} + 1 ^\circ \text{C})$ 1000°C to 1300°C: $\pm(0.5\% \text{rdg} + 1 ^\circ \text{C})$ -58 °F to 2000 °F $\pm(0.3\% \text{rdg} + 2 ^\circ \text{F})$
Temperature Scale	Celsius of Fahrenheit user-selectable
Resolution	1 °C or 1 °F (or 0.1 °C of 0.1 °F)
Sensor	K-type Thermocouple
Sampling rate	3 times/per second
General Power Requirement	1 piece 9V battery
Dimensions	5.8"x2.8"x1.5" (147x70x39mm)
Weight	13.8 oz(395g)
Accessories	TPK-01x1, holster, and owner's manual.

1. Accuracy:
+/- (0.3% reading + 1 ° C)
- 50 deg C to 1000 ° C.

+/- (0.5% reading + 1 ° C)
1000 ° C to 1300 ° C.

+/- (0.3% reading + 2 ° F)
-58 ° F to 2000 F.

2. Resolution:
1 ° C or 1 ° F; 0.1 ° F or 0.1 ° F
(below 200 ° C or ° F)

Prova 830

8 Channel thermocouple
thermometer/Data Logger,
handheld, Prova



Features

- Can work as a Multi-input thermometer or Paperless recorder
- 5.7" Color TFT LCD (320 x 240) with backlight
- 8-input temperature measurement/logging (°C/°F)
- Color graphic display of 8 curves at the same time
- Display of max and min values for each input
- Selection of 11 types of thermocouple
- Easy socket for thermocouple mini connector
- Basic accuracy $0.1\% \pm 1^\circ\text{C}$ (K type)
- Programmable Hi-Lo alarm with timers when out of HI-LO limits
- Sampling rate 8 inputs / 1 second
- 28-hour recording with a Lithium battery of 3400mAh
- Standard 2G SD memory card (stores 3.8-year of data)
- SD card directly read by PC
- Easy data file management (Read and Delete functions)
- Built-in calendar clock
- Accept analog outputs from instruments
- Independent input setup (type of thermocouple, Hi-Lo alarm values, name of Engineering Unit)
- Isolated input protection of 350Vp-p between any two inputs
- Programmable Engineering Unit (E.U.) to integrate analog output (-60 to 60 mV) from instruments (e.g. Sound level meter, Humidity meter, Current adaptor)
- Screen hardcopy into bit map files for easy documentation
- Ready to use package (thermocouples, SD card, and battery)
- Digital and analog (bar graph) data display
- Statistics data (Histogram) for easy analysis
- Easy curves manipulation (hide or display selected curves)



DTM-20

Hygro Thermometer with Audio Alarm Features



TECPEL is proudly introducing new DTM-20 Hygro Thermometer which is a multi-functional hygrometer with the features of measuring humidity, temperature, dew point and Hi-Low Limit audio alarm function. This unit can be simply put on the desk or mounted on the wall for environment monitor. Optional high precision sensor $\pm 2\%$ RH is available for customer's choice (DTM-20RP32)

Features

- Large, Easy to read dual LCD displays Humidity and Temperature measurement
- $\pm 3\%$ RH humidity accuracy (Standard)
- Easy to Calibrate on site.
- Desk stand and Wall mount hole available.
- Max/Min Value display
- Audible and visual alarms for High-Low limit setting.
- Low battery indication.
- Turn on/off alarm function.
- Switchable for Relative Humidity(RH) and Dew Point(DP) measurement.
- Self checking screen right after the installation of the batteries.
- Sensor probe can be easily screwed off and replaced by users.
- Sensor probe
- Probe: RP-31 (Standard unit)
- Probe: RP-32 (Optional)

Specifications

Sensor	NTC type high accuracy Humidity sensor
Temperature	-20 ~ 60 ° C, -4 ~ 140 ° F
Humidity	Humidity : 0 ~ 100% RH
Dew Point Temperature	-20 ~ 60 ° C, -4 ~ 140 ° F.
Resolution	0.1% RH, 0.1° C; 0.1° F.
Measurement Rate	20 sec per time
Temperature	-20 ~ 60 ° C; Humidity 0 ~ 55 ° C.
Storage environment	-10 ~ 70 ° C(14 ~ 160° F); 0 ~ 70% RH
Temperature Coefficient	0.1 x (specified accuracy) / °C(< 23°C or > 23°C)
Battery	4 each AAA/R03 batteries
Battery Life	Approx. 1 yea (With alkaline battery)
Dimension	105 x 140 x 26mm (4.1" x 5.5" x 1.0")
Weight: Approx.	266 g
Accessories	Battery, Instruction manual, RP31 standard Sensor probe (Optional Precision sensor probe DTM-20-RP32)



DTM-300C

DTM-300C Waterproof LCD
Alarm Thermometer -50 ~ 300



Waterproof LCD Thermometer -50 ~ 300 °C can be set upper and lower alarm Thermometers

Features

- Having upper and lower temperature alarm function.
- The amount of temperature and humidity of the maximum (MAX) / minimum (MIN) value memory.
- With sucker and 100 cm extension cords.
- Low battery warning.
- Power switch.
- High accuracy can be displayed to one decimal place.
- Metal temperature measuring stick.

This thermometer highest measured temperature of 300 C, but not recommended for prolonged measuring more than 3 minutes

Specifications

Measuring range	0 °C ~ 300 °C
Working environment	0 °C ~ 50 °C
Resolution	0.1
Accuracy	± 1 °C (-30 ~ 250 °C) other ranges 2 °C
Display Update	1 second
Battery	batteries (AAA) X 4



DTM-305, DTM-307

Digital Thermometers

The thermometer is a device that measures temperature of using a variety of different principles. You can use a thermometer to tell the temperature outside or inside your house, inside ovens, even the temperature of your body if you have fever. Tecpel provides you digital thermometers which are most widely used because of their convenience. Our thermometers can measure the wide temperature range from -50°C to 1,300°C. Furthermore, with digit LCD display, our thermometers can be more stylish and accurate than others. It has been 400 years that Galileo invented the earliest thermometer. Now Tecpel give you K-type thermocouple which is inexpensive and, owing to its popularity, available in a wide variety of probes. Our compact, contemporary thermometers are ideal for use in your home or office. They have outstanding temperature sensor that can make your measure more preciser. No matter what your purpose, our thermometers are a quick, simple and effective way of getting temperature information. The quality thermometers of Tecpel can fit your needs.

Features

DTM-305:

- -50°C ~ 1,300°C (-58°F ~ 2,000°F).
- 3 1/2 Digit LCD display.
- K-type thermocouple.
- Reading Hold °C of °F annunciators.
- Single thermocouple input.
- Switchable resolution 0.1°/1.0°;
- 0.1°C resolution under 199°C
- Front panel offset adjustment.
- Automatic low battery indication.
- Maximum record.
- Overrange indication.

DTM-307:

- -50°C ~ 1,300°C (-58°F ~ 2,000°F).
- 3 1/2 Digit LCD display.
- K-type thermocouple.
- Function & unit sign display °C of °F annunciators.
- Dual thermocouple input.
- Differential temperature (T1-T2).
- Front panel offset adjustment.
- Maximum record.
- Reading hold.
- Automatic low battery indication
- Overrange indication.
- With 0.1°C resolution under 199°C

Measurement Range	-50°C to 1300°C (-58 °F to 2000 °F)
Accuracy	-50 °Cto 1000 °C: $\pm(0.3\%rdg+1\text{ }^{\circ}\text{C})$ 1000°C to 1300°C : $\pm(0.5\%rdg+1\text{ }^{\circ}\text{C})$ -58 °F to 2000 °F $\pm(0.3\%rdg+2\text{ }^{\circ}\text{F})$

Temperature Scale	Celsius of Fahrenheit user-selectable
Resolution	1 °C or 1 °F (or 0.1 °C of 0.1 °F)
Sensor	K-type Thermocouple
Sampling rate	3 times/per second
Power Requirement	1 piece 9V battery
Dimensions	5.8"x2.8"x1.5" (147x70x39mm)
Weight	13.8 oz(395g)
Accessories	TPK-01x1,holster and owners manual. (DTM-305) TPK-01x2 ,holster and owners manual. (DTM-307)



DTM-305C

Temperature Meter Single input with type K bead thermocouple



This is a professional temperature meter provided by Tecpel Co., Ltd, ideal for many circumstances which need precise manipulation. This specific device has a great capacity of measuring accurately, helping users to get the most correct data at once. Moreover, it's worth mentioning that the temperature meter is especially manufactured as a portable device, suitable for users to carry with, and more convenient to operate the measuring work.

Features

- Highly accurate thermometer with 0.1% basic accuracy.
- Large display for easy to read.
- Thermocouple offset adjust.
- Robust protective Holster.
- Auto-Power Off. Display back-light.
- MIN/MAX/AVG/REL/HOLD functions.
- Wide measuring ranges suit versatile applications.

Specifications

Temperature Range:	-200°C to 1372°C, -328°F to 1999°F
Accuracy	±(0.1% rdg+1°C) on -60°C to 1372°C ±(0.1% rdg+2°C) on -60°C to -200°C ±(0.1% rdg+2°F) on -76°F to 1999°F ±(0.1% rdg+4°F) on -76°F to -328°F K-type(Chromic -Alum)
Display	3½ digit liquid crystal display (LCD) with a maximum reading of 1999
Polarity	Automatic, positive implied, negative polarity indication
Low battery indication	The “ battery sign” is displayed when the battery voltage drops below the operating level.
Measurement rate	2.5 times/second.
Operating environment	0°C to 50°C at < 70% RH.
Storage temperature	-20°C to 60°C, 0 to 80% R.H. with battery removed from meter.
Accuracy	Stated accuracy at 23°C±5°C
Battery	1.5Vx4pcs AAA size
Dimensions	160mm(H) x 83mm(W) x 38mm(D)
Weight	approx. 235g including batteries

DTM-315, DTM-316

Digital Thermometer



The DTM-315 and DTM-316 are portable digital thermometers that are integrated with a four digit LCD display. Able to perform timer modes and integrated with an automatic shut off function, this device is capable of indicating over range. It is equipped with a one thermocouple input and can accommodate K-type thermocouples as well.

Digital Thermometer Single Input + Timer Model: DTM-315

- -200°C ~ 1370°C (-328 °F ~ 3498 °F)
- 4 digit LCD display
- Timer function
- K-type thermocouple
- Reading hold °C of °F annunciators
- Single thermocouple input
- MAX. AVG. MIN. function
- Auto power off
- HOLD, REL function
- Automatic low battery indication
- Overrange indication
- RS-232 computer Interface (Option)

Specifications

Measurement Range
-200°C -1370°C (-328°F ~ 2498°F)

Accuracy
-200°C to 1370°C $\pm(0.5\%rdg+1^{\circ}C)$ typical
-328°F to 2498°F $\pm(0.5\%rdg+1^{\circ}F)$ typical

Temp. Scale : Celsius or Fahrenheit user-selectable
Resolution : 1°C or 1°F (-200°C~200°C, 0.1°C)
Sensor : K type Thermocouple
Sampling rate : 2.5 times/per second
Power : 1 piece 9V battery
Dimensions : 7.2"x2.5"x1.2" (184x64x30mm)
Weight : 7.4 oz(210g)
Accessories : TPK-01x1, soft carrying case and owners manual.

Digital Thermometer Dual Input Model: DTM-316

- -200°C ~ 1370°C (-328 °F ~ 3498 °F)
- 4 digit LCD display
- K-type thermocouple
- Function & unit sign display °C or °F annunciators
- Dual thermocouple input
- Differential temperature (T1-T2)
- MAX. AVG. MIN. function
- Auto power off
- HOLD, REL function
- Automatic low battery indication
- Overrange indication
- RS-232 computer Interface
- RS-232 /USB cable + Software (Option)

Specifications

Measurement Range
-200°C -1370°C (-328°F ~ 2498°F)

Accuracy
-200°C to 1370°C: $\pm(0.5\%rdg+1^{\circ}C)$ typical
-328°F to 2498°F $\pm(0.5\%rdg+1^{\circ}F)$ typical

Temp. Scale : Celsius or Fahrenheit user-selectable
Resolution : 1°C or 1°F (-200°C~200°C, 0.1°C)
Sensor : K type Thermocouple
Sampling rate : 2.5 times/per second
Power : 1 piece 9V battery
Dimensions : 7.2"x2.5"x1.2" (184x64x30mm)
Weight : 7.4 oz(210g)
Accessories : TPK-01x2, soft carrying case and owners manual.

DTM-317

Digital single channel thermo data logger



The DTM-317 by Tecpel Co. is a hand-held temperature data logger which comes with an operating temperature of $-200^{\circ}\text{C} \sim 1,370^{\circ}\text{C}$ ($-328^{\circ}\text{F} \sim 2,498^{\circ}\text{F}$). For data logging capacity, it can log about 16,000 records which can be easily seen through its 4 digit LCD that has a timer display.

Features

- $-200^{\circ}\text{C} \sim 1,370^{\circ}\text{C}$ ($-328^{\circ}\text{F} \sim 2,498^{\circ}\text{F}$)
- Data Logging capacity 16,000 records.
- 4 Digit LCD, Triple display.
- Timer display.
- Recording interval setup.
- Reading hold $^{\circ}\text{C}$ or $^{\circ}\text{F}$ annunciators.
- Single K-type thermocouple input.
- MAX, MIN. function.
- Auto Power off.
- Hold, ΔREL functions.
- Automatic low battery indication.
- High resolution 0.1°C , 0.1°F
- RS-232 Computer interface.
- USB cable (optional)
- Software program for Windows.

Specifications

Measurement Range	$-200^{\circ}\text{C} \sim 1,370^{\circ}\text{C}$ ($-328^{\circ}\text{F} \sim 2498^{\circ}\text{F}$).
Accuracy	$-200^{\circ}\text{C} \sim 1,370^{\circ}\text{C}$ $\pm(0.5\%\text{rdg} + 1^{\circ}\text{C})$ typical $-328^{\circ}\text{F} \sim 2498^{\circ}\text{F}$ $\pm(0.5\%\text{rdg} + 1^{\circ}\text{F})$ typical
Temperature Scale	Celsius or Fahrenheit user-selectable
Resolution	1°C or 1°F ($-200.0^{\circ}\text{C} \sim 199.9^{\circ}\text{C}$, 0.1°C)
Sensor	K type Thermocouple
Sampling rate	2.5 times/per second
Power Requirement	1 piece 9V battery
Dimensions	7.2"x2.5"x1.2" (184x64x30mm)
Weight	7.4 oz(210g)
Accessories	TPK-01x1, delux carrying case, SE-300 software / RS-232 cable and owners manual.



DTM-318

Digital Dual Channel Thermometer USB data logger



DTM-318 is a K-type Thermocouple Temperature Data Recorder and is suitable with many different K-type thermocouple probes. A large amount of memory can record long-term temperature differences.

Features

- -200°C ~ 1,370°C (-328°F ~ 2,498°F)
- Data Logging capacity 16,000 records.
- 4 Digit LCD, Triple display.
- Timer display button.
- Recording interval set up.
- Reading hold °C or °F annunciators.
- Dual K-type thermocouple inputs.
- MAX, MIN. function.
- Auto Power off.
- Hold functions.
- Automatic low battery indication.
- High resolution 0.1°C, 0.1°F
- RS-232 Computer interface.
- USB cable (Optional)
- Software program for Windows.

Specifications

Measuring Range	200~1300°C (-328~3,498°F)
Accuracy	±(0.3% + 1°C)
Resolution	0.1°C / 1°C (大於200°C)
Type of Thermocouple	K-Type
Sampling rate	2.5 times/per second
Reacting time	According to the sensor

- Working environment : 0~50°C / lower than 90%RH without dew
- Storage environment : -10~40°C / lower than 70%RH without dew
- Elevation Limitation : Lower than 1,000 meters
- Power Supply : 9V battery (Optional DC 9V power supply)
- Dimension : 1184 x 64 x 30 mm
- Weight : 210 g

Accessory

Software program for Windows, USB cable, RS-232 Computer interface, TPK-01, Suitcase

Optional Accessory

ADP-01 AC Power Transmitter (Output DC 9V), Other Type-K thermocouple probes

DTM-3101

Stem Thermometer

A thermometer measures the temperature of the environment or material that we are operating on. Two means help the thermometer to display the signal. First, the digital sensor in infrared models, and secondly the converter that shows the numbers. DTM-3101 is a digital stem thermometer from Tecpel with LCD to display the measurement.



Features

- Max/min (°f/°c) memory recalling
- Temperature unit °C/°F selectable
- Data hold/test function selectable
- 1 sec. Normal temperature sensing time
- Low battery indicator
- One hour auto shut off
- 133mm stainless steel sensor probe
- Protective plastic sleeve with clip
- Rubber coated housing
- Power On/off
- H/t,
- °f/°c,
- Max/min (°f/°c)
- Memory Recalling Function

Specifications

Measurement range	-50°C~ 150°C or -58°F~302°F
Resolution	0.1° for -19.9° ~ 199.9°, otherwise 1°
Accuracy	±1°C in the range of -30°C ~ 150°C ±1.8°F in the range of -22°F~ 302°F
Ambient temperature for plastic case	-10°C~50°C or +14°F~122°F
Battery	1 x 1.5 volts g13 size or equivalent

Operation:

- Press the "on/off" button. The thermometer is ready for use.
- Press the "°C/°F" button to select desired temperature unit.
- Press the "h/t" button. The word "hold" will flash to retain reading for recording.
- Press the "max / min" button. "min" sign will be shown. The minimum temperature tested will display. Press the button again. "max" sign will be shown. The maximum temperature tested will display. It will go back to the testing position after three seconds.

Precautions

- To obtain the best results, the probe tip should be immersed at least 10mm. Into the tested substance.
- Remove the battery from the battery compartment if the thermometer will not be used for long duration of time or during storage.
- The thermometer cannot be used or put inside any oven or microwave



DTM-3102

Stem Thermometer

Features

- Max/min (°f/°c) Memory Recalling
- Temperature Unit °f/°c Selectable
- Data Hold/test Function Selectable
- 1 Sec. Normal Temperature Sensing Time
- Low Battery Indicator
- One Hour Auto Shut Off
- 133mm Stainless Steel Sensor Probe
- Protective Plastic Sleeve With Clip
- Rubber Coated Housing

Specifications

Measurement Range	-50°C ~ +150°C OR -58°F ~ +302°F
Resolution	0.1° FOR -19.9° ~ +199.9°, OTHERWISE 1°
Accuracy	±1°C IN THE RANGE OF -30°C ~ +150°C ; ±1.8°F IN THE RANGE OF -22°F ~ +302°F
Accuracyambient Temperature For Plastic Case	-10°C ~ +50°C OR +14°F ~ +122°F
Battery	1 X 1.5 VOLTS G13 SIZE OR EQUIVALENT

Operation:

- Press the "On/off" button. The thermometer is ready for use.
- Press the "°c/°f" button to select desired temperature unit.
- Press the "H/t" button. The word ""Hold"" will flash to retain reading for recording.
- Press the "Max / min" button. ""Min"" sign will be shown. The minimum temperature tested will display. Press the button again. ""Max"" sign will be shown. The maximum temperature tested will display. It will go back to the testing position after three seconds.

Precautions:

- To obtain the best results, the probe tip should be immersed at least 10mm. Into the tested substance.
- Remove the battery from the battery compartment if the thermometer will not be used for long duration of time or during storage.
- The thermometer cannot be used or put inside any oven or microwave.



DTM-3105

Multifunction Thermocouple Thermometer



What's Included

Carrying Case and 4 TC probes -100 ° C ~ + 300 ° C

Probe Model No.:

1. DTM-3105-TPK4 Surface probe (230 mm x 4mm Dia) ; Probe head 12 mm Dia.
2. DTM-3105-TPK05 Air probe (235 mm x 3.5 mm Dia) ; Probe head: (40 mm L x 5.5 mm Dia)
3. DTM-3105-TPK03R Round head immersion probe (130mm L x 4.0mm Dia)
4. DTM-3105-TPK03S Pin point head immersion probe(125 mm L x 3.5mm Dia)

Features

- Rubber coated product case
- High degree of accuracy
- Extra EVA box for easy & protective storage
- Four probes included
- Comprehensive & variety use for different object (e.g. surface, semi-solid, air)
- Large LCD display

Specifications

Measurement Range	-100°C ~ +300°C or -148°F ~ + 572°F
Resolution	0.1° for -199.9° ~ +300.0°
Accuracy	± 2°C from -200°C ~ -50°C (or 4°F from -328°F ~ -58°F) ± 1°C from -49°C ~ +300°C (or 1.8°F from -56.2°F ~ +572°F) Accuracy is specified for operating temperatures over the range of 18°C to 28°C (64°F to 82°F). The basic accuracy specification does not include the error of the thermocouple probe
Ambient Temperature For Plastic Casing	-10°C ~ +50°C (or +14°F ~ +122°F)
Operation	Press ON/OFF, the timer begins to count. The temperature displays.
Temperature Measurement	Press °F/°C to select desired unit.
Hold / Test Function	Press H/T, ""HOLD"" sign flashes on the display to retain temperature tested. Press H/T again and will go back to testing mode. ""HOLD"" sign will disappear.
Maximum And Minimum Function	Press MAX/MIN, ""MIN"" appears with the minimum temperature tested. Press again. ""MAX"" appears with the maximum temperature tested.

DTM-3106

Water resistant Stem Thermometer

DTM-3106 for food, soup, ice / hot water temperature measurement

This pen-type digital thermometer is characterized for multi-usage with the features of low power consumption, high accuracy, high stability, compact structure, and easy to be used at affordable price.

It is very suitable for measuring the temperature for cold ice/hot water, drink, milk, coffee, food and also BBQ. Be assured that you've cooked foods to a temperature that's high enough to kill any illness-causing bacteria

Compact structure with a hole hook; With high accuracy and high stability; °F/°C on LCD display;



Features

- "ON/OFF": Switch on/off power
- Temperature unit °C/°F selectable
- Data-hold function to freeze measured value
- Auto power-off after 45 minutes no operation

Specifications

Measurement Range	-50°C~300°C (-58°F~302°F)
Accuracy	±1°C (-30°C~150°C) . Other range is ±2°C
Resolution	0.1
Display Refresh	1 sec.
Reacting Time	Approx. 3 Sec. in the water can reach 90%
Working Enviroment	0~50°C / lower than 80% R.H.
Instoreage Enviroment	-10~40°C / lower than 70% R.H.
Elevation Limited	Lower than 1,000 meter
Power Supply	1.5 V (G13) battery
Sensor	142 mm



DTM-3108

Digital Water Proof Pen Type Digital Stem Thermometer

Function:

1. On/Off, H/T, °F/°C Function
2. On/Off, H/T, Max/Min (°F/°C) Memory Recalling Function
3. On/Off, °F/°C, Max/Min (°F/°C) Memory Recalling Function



Features

- One Hour Auto Shut Off
- 97mm. Stainless Steel Sensor Probe
- Max/Min (°F/°C) Memory Recalling
- Temperature Unit °F/°C Selectable
- Data Hold/Test Function Selectable
- 1 Sec. Normal Temperature Sensing Time
- Protective Plastic Sleeve With Clip For Stainless Steel
- Low Battery Indicator

Operation:

1. Press the "On/off" button, the thermometer is ready for use.
2. Press the "°C/°F" button to select desired temperature unit. It will change immediately.
3. Press the "Hold/test" button to "Test" position for temperature measurement or "Hold" position to retain reading for recording. The word "Hold" will flash on the display to indicate the holding position.
4. Press the "Max / min" button, the minimum temperature tested will display. "Min" sign will be shown. Press the button again within three seconds for the maximum temperature tested. "Max" sign will be shown. It will go back to the testing position automatically after three seconds.

Precautions

- To obtain the best results, the probe tip should be immersed at least 10mm. Into the tested substance.
- Remove the battery from the battery compartment if the thermometer will not be used for long duration of time or during storage.
- The thermometer cannot be used or put inside any oven or microwave.

Specifications

Measuring Range	-50°C ~ +300°C Or -58°F ~ +572°F
Resolution	0.1° For -19.9° ~ +199.9°, Otherwise 1°
Accuracy	±1°C In The Range Of -30°C ~ +150°C ±1.8°F In The Range Of -22°F ~ +302°F ±1°C In The Range Of 151°C ~ +250°C, Otherwise More Than ± 2°C ±1.8°F In The Range Of 303.8°F ~ +482°F, Otherwise More Than ± 4°F
Ambient Temperature For Plastic Casing	-10°C ~ +50°C Or +14°F ~ +122°F
Battery	1 X 1.5v "G13 /A76" Size Or Equivalent Battery



DTM-3107

LCD waterproof thermometer with detachable probe

DTM-3107 Thermometer Application:
Suitable for cooking, conditioning, laboratories, pools, environmental measurement and other uses.

Features

- With 280mm long stainless steel probe.
- Replacement, demolition stainless steel probe
- The maximum and minimum temperature memory function.
- Low battery warning.
- Power switch.
- Accuracy can be displayed to the nearest one.
- With numeric lock key.

Specifications

Measuring Range	-50°C ~ +150°C OR -58°F ~+302°F -50°C ~ +300°C OR -58°F ~+572°F
Resolution	0.1° for -19.9° ~ +199.9°, otherwise 1°
Accuracy	±1°C in the range of -30°C ~ +150°C ±1.8°F in the range of -22°F ~ +302°F ±1°C in the range of 151°C ~ +250°C, otherwise more than ± 2°C ±1.8°F in the range of 303.8°F ~+482°F, otherwise more than ± 4°F
Ambient Temperature For Plastic Casing	-10°C ~ +50°C or +14°F ~+122°F
Battery	1 x 1.5 volts g13 size or equivalent

TR-73U

Temperature humidity and
barometric pressure data
logger



These handy Thermo Recorders measure and record temperature and humidity. The recorded data is then downloaded to your computer via our exclusive software whereby colorful graphs and tables can be easily created. By making use of two alkaline batteries this low energy using compact lightweight unit can be left alone to record continuously over long periods of time. And with our exclusive circuitry we have created a model that brings you the accuracy of more expensive models at a price you can afford.

Specifications

Measurement Channels	Temperature 1ch	Humidity 1ch	Barometric Pressure 1ch
Sensor	TR-3100 (External)	Polymer Resistance	Barometric Pressure Sensor (Internal)
Measurement Units	°C, °F	%RH	hPa
Accuracy	Avg. $\pm 0.3^{\circ}\text{C}$ at 0 to 50°C	$\pm 5\%$ RH at 25°C , 50% RH	± 1.5 hPa
Measurement Resolution	0.1°C	1% RH	0.1 hPa
Responsiveness	Response Time (90%): Approx. 7 min.		4 seconds or 40 seconds if recording interval is 10 sec. or more
Logging Capacity	8,000 data sets (One data set consists of readings for all channels in that type of unit.)		
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 (fixed or alternating display), Battery Warning Mark, etc		
Communication Interfaces	USB Communication Serial Communication RS-232C		
Power	AA Alkaline Battery x 1		
Battery Life	Approx. 10 months		
Dimensions	H 55 mm x W 78 mm x D 18 mm		
Weight	Approx. 40 g		
Operating Environment	Temperature: -10 to 60°C Humidity: 90% RH or less (no condensation)		
Accessories	AA Alkaline Battery LR6, USB Mini-B Cable US-15C, Temperature-Humidity Sensor TR-3100 x 1, Software CD-ROM, User's Manual Set (Warranty Included)		

TR-75nw

T&D Thermocouple Temperature Data Logger



The TR-75nw is a temperature logger with two available thermocouple (K, J, T, E, S, R) sensor connections and can measure from -199 to 1760°C. Functional buttons on the device allow you to make settings and start/stop recording. Use the Ethernet connection to auto-upload data to the cloud for anytime anywhere access and get warning notices. Connect to a PC with a USB cable to download recorded data and make setting changes. It is perfect for use in ultra high temperatures such as in a plant furnace or in deep freezers where temperatures reach ultra low levels.

Features

- 2 External Thermocouple Sensor Input for Temperature Measurement in an Indoor Environment
- Transmission of Recorded Readings to TandD Cloud Storage Using Existing Ethernet LAN for Viewing and Analysis of Data from Any Device
- User-Replaceable Alkaline Batteries with 10 Day to 1.5 Year Typical Life (Depend on Auto-Upload Interval)
- Able to Store up to 8,000 Measured Readings with Date/Time Stamp if Your existing Ethernet Communications is not Available.
- Includes Alkaline Batteries.

Specifications

Ethernet/LAN Temp Logger for Thermocouple Sensors (K, J, T, E, S, R)

Measurement Channels	Temperature 2ch Thermocouple Sensors (K, J, T, E, S, R)
Measurement Range	-199~1760°C
Accuracy	Type K, J, T, E: $\pm(0.5\text{ }^{\circ}\text{C} + 0.3\text{ \% of reading})$ Type S, R : $\pm(1.5\text{ }^{\circ}\text{C} + 0.3\text{ \% of reading})$
LCD Display	Measurements, Battery Level, etc.
Logging Capacity	8,000 data sets
Recording Intervals	15 choices from 1 sec. to 60 min.
Recording Mode	Endless/Onetime
Comm Interfaces	Wired LAN, USB
Warning Notifications	E-mail, Software/Browser
Power	AA Alkaline Battery x 2, AC Adaptor, PoE
Operating Environment	Temperature: -10 to 60°C
Humidity	90%RH or less (no condensation)
Dimensions	H:58mm x W:78mm x D:26mm
Battery Life	Approx. 10 days to 1 years
Accessories	AA Alkaline Battery (LR6), etc.

TR-71nw, TR-72nw, TR-72nw-S

T&D Wired LAN Temperature and Humidity Data Logger



A new LAN-based data logger for cloud storage. In addition to the existing wireless LAN model TR-71wf/72wf, we added the wired-LAN model with the same basic features to offer a choice of network connection methods.

By using T&D WebStorage Service*1, a cloud service provided by T&D free of charge, it is possible to access stored data from your PC and mobile devices anytime from anywhere. Simply connect the data logger to the Internet with a LAN cable, and it automatically*2 starts uploading recorded data to T&D WebStorage Service, thus providing a remote access solution without the need for manual intervention.

1: Internet access via LAN is required to access T&D WebStorage Service.

2: In the LAN environment where DHCP can be used.

Features

- Automatic Upload of Recorded Data to T&D WebStorage Service via Wired LAN
- Temp/Humidity Alarm Mail Transmission from T&D WebStorage Service
- Direct Data Download via USB
- Temperature and Humidity Measurement in a Wider Range with Greater Accuracy (TR-72nw-H)
- Battery Operation for up to 1.5 years with one AA Alkaline Battery
- Automatic Upload of Recorded Data to PC

	TR-71nw	TR-72nw	TR-72nw-H
Supplied Sensors	TR-0106 (2ch)	THA-3001	HHA-3151
Temperature Measurement Range (°C)	-40 to 110	0 to 55	-30 to 80
Humidity Measurement Range (%)	—	10 to 95	0 to 99
Temperature Measurement Accuracy	±0.3°C [-20 to 80°C] ±0.5°C [at all other temperatures]	±0.5°C	±0.3°C [0 to 50°C] ±0.5°C [at all other temperatures]
Humidity Measurement Accuracy	—	±5%RH (at 25°C, 50%RH)	±2.5%RH (at 25°C, 10 to 85%RH)



TR-55i-TC

Thermocouple, Pt100,
Voltage, 4-20mA Data Logger

TR-55i-TC is a small size ,waterproof temp. data logger. It suitable for various working environment, such as storage, freight environment. With dimensions of 62 x 47 x 19mm (2.4 x 1.8 x 0.75in) TR-5i series loggers may be small, but they are built to last. In addition to the LCD on the front panel, the built-in alarm LED makes warnings easily visible. TR-55i-TC is designed for use with highly versatile thermocouple sensors and measures in the wide range of temperature from -199°C to 1760°C.

Features

- LCD Display
- LED Light Alarm
- Recording Model: Endless / One Time
- Recording Interval Setup 1, 2, 5, 10, 15, 20, 30 Sec., 1, 2, 5, 10, 15, 20, 30, 60 Minutes
- Data Logging: 160,000
- Waterproof Capacity: IP64
- Low Battery Indicator
- Transmission: Optical / Infrared
- Battery Life: Approx. 16 Months
- Warning Beeper With Hi/Lo Setting
- Various Probes Changeable

Measurement Channels	Temperature 1ch
Sensor	Pt100, Pt1000 3-wire, 4-wire
Measurement Units	°C, °F
Measurement Range	-199 to 600 °
Accuracy	±(0.3 °C + 0.3 % of reading) at 10 to 40 °C ±(0.5 °C + 0.3 % of reading) at -40 to 10 °C, 40 to 80 °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 Infrared Communication: IrPHY 1.2 low power
Power	Lithium Battery LS14250 x 1
Battery Life	Approx. 24 months 14 months with IR Communication Enabled
Dimensions	H 62 mm x W 47 mm x D 19 mm
Weight	Approx. 45g
Operating Environment	-40 to 80°C
Waterproof Capacity	IP64: Splash proof
Accessories	Input Module PTM-3010
Data Collection Device	Data Collector: TR-57DCi Communication Port: TR-50U2 / 50U