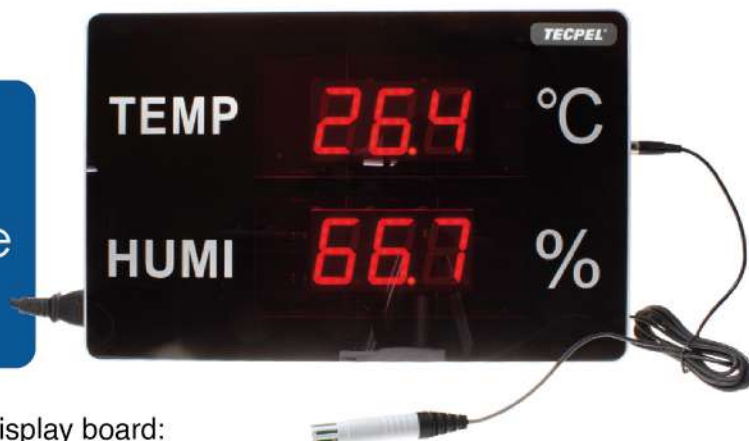




TRH-3305

Large Digital Temperature and Humidity Display



TRH-3305 Large Digital temperature and humidity display board:

The large LED display temperature and humidity meter is a wall-mounted or hanging measuring instrument developed according to foreign advanced technology and customer requirements. It has a large LED display that can simultaneously display temperature and humidity,

- External temperature and humidity sensor
- The sensor is separated from the display board and the sensor
- The sensor cable is 3 meters long, which can flexibly measure the monitoring area.
- Precise temperature and humidity sensors with small errors can be used for precision monitoring environments with a temperature error specification of only 0.5 °C and a humidity of 5 %RH.
- Compensable temperature and humidity measurement value
- When the sensor is gradually aging, the error can be compensated through digital correction value, delay sensor use time

Applications

Widely used in museums, offices, hotels, restaurants, schools, conference rooms, waiting rooms, hospitals, factories, shopping malls, warehouses, indoor environments, etc.

- Visible range up to 20 meters
- High accuracy
- Display temperature and humidity.
- Reliable and stable sensor
- Calibration function
- External power supply and wall mount

Specifications

Measuring Range	-30 ~ 70.0 °C / 20.0 ~ 99.9%RH
Resolution	0.1 °C (above 0 degrees) / 0.1 %RH
Accuracy	±0.5 °C / ±5 %RH (@25°C)
LED font size	45 x 26 mm
Working Environment	0 ~ 50 °C / 20 ~ 90 %RH (no condensation)
Frame size/weight	395 x 255 x 55 mm / 2.3 kg



TRH-3351

Air quality indicator, CO2, large digital Temperature and humidity monitor



Large Digital Temperature and Humidity Displays

TRH-3351 Multi monitor is a cost-effective, air quality indicator, the large single digit LED display with three most critical parameters of indoor air quality, the current CO2 concentration, the ambient temperature and the relative humidity.

- CO2 — CO2 concentration indicates the amount of fresh air ventilation being introduced to a space
- Relative humidity—The relative humidity in air indicates the amount of moisture
- Ambient temperature — The suitable ambient temperature brings the comfortable space.

Specifications

CO2 Measurement Range	0-3,000 ppm
Display Resolution	1ppm at 0~1,000ppm; 5ppm at 1,001~2,000ppm; 10ppm at 2,001~3,000ppm
Accuracy	0~2,000ppm ± 70 ppm or $\pm 5\%$ of reading, whichever is greater; over 2000ppm: $\pm 7\%$ Repeatability ± 20 ppm
Temperature Dependence	Typ. $\pm 0.2\%$ of reading per $^{\circ}\text{C}$ or ± 2 ppm per $^{\circ}\text{C}$, whichever is greater, referenced to 25°C
Pressure Dependence	0.13% of reading per mm Hg
Response Time	About 2min for 63% of step change
Warm-Up Time	<60 seconds at 22°C Temperature
Temperature Range	0°C to 40°C (32°F to 104°F) display
Display Resolution	0.1°C (0.1°F when temperature display is within 100°F)
Display Options	$^{\circ}\text{C}/^{\circ}\text{F}$
Accuracy	$\pm 1^{\circ}\text{C}$ ($\pm 2^{\circ}\text{F}$)
Response Time	20-30 minutes (case must equalize with environment)
RH Measurement Range	20%-90%
RH Display Resolution	1%
RH Accuracy	$\pm 5\%\text{RH}@23^{\circ}\text{C}$
Response time	<5 min for 63% of step change Operating & Storage condition
Operating Temperature	0°C to 40°C (32°F to 104°F)
Humidity Range	0 ~ 95% RH non-condensing
Storage Temperature	-20°C to 60°C (-4°F to 140°F)
Power Supply	Universal 100~240VAC, 50/60Hz , External Power Brick(included in package)
Power Consumption	11 Watts (Max.)



TRH-3308A, TRH-3358A

Temperature Humidity CO2
meter LED Monitor with
Data logger



- Complete environmental monitoring and alarm solution
- Wall-Mounted LED type for easy reading
- Alarm set for CO2 (TRH-3358A) and Temperature and Humidity
- USB Datalogging Capacity 65,000 records
- Real-time data display

Applications

- Warehouses - Hospitals blood/Tissue banks.
- Laboratories - Computer rooms.
- Chambers/incubator - Clean rooms.
- Electronics manufacturing - Defense.
- Refrigerators/Freezers - Other Critical areas.

Specifications

Sampling time	1 time/second
Interval time	1s~24hrs
Output interface	RS485/RS-232/USB With a time of three options
Analog output	4-20mA Output (RL<=250Ω)
Dry contact (Relay Switch)	Contact:Max. 1A@30Vdc Resistive load
Power	24Vac/Vdc±20%(50...60Hz)and 9-15V Adaptor
Power consumption	6W@24Vdc
Type	Diode
Range	-20°C~70°C/-4°F~158°F
Accuracy	±1.0°C (5~60°C)other±2°C
Resolution	0.1°C/0.1°F (0~35°C/32°F~95°F); 1°C/1°F (over 100°C/°F or below -10°C/°F)
Response Time	Typ.1 second
Type	Capacitive
Range	5-95%
Accuracy	±5.0%RH (20~80%);±8.0%RH (80%)
Resolution	0.1%
Response Time	Typ.4 seconds



TR-31, TR-32

Temperature Logger TR-31 / Temperature Humidity Logger TR-32

TR-31/32 series has USB interface, featuring elegant appearance and compact construction design for refrigerator, cold-chain transportation, and container transportation monitoring applications. TR-31/32 adopts user-friendly USB interface, easy-to-mount brackets with screws. The OK key can help the user check the Max/Min/Current values and the upper and lower limits.

Application Examples

- Cool and frozen transportation and storage
- Frozen transportation and storage
- Monitoring temperature during food transportation
- Performance testing of air conditioning equipment
- Recording temperature of instrumentation and machinery

TR-31 Specifications

Temperature Measurement	-30 to 70 ° C
Measurement Accuracy	+/- 0.5 ° C
Average	+/- 0.5 ° C (-20 to 70 ° C)
Measurement Resolution Display	0.1 ° C
Sensor Thermistor	

TR-32 Specifications

Measurement: Temperature Humidity	Temperature: -30 to 70 ° C Humidity: 0 to 100 %RH
Measurement Accuracy	(Standard Sensor) Average +/-0.5° C(-20 to 70 ° C) Average +/- 0.5 ° C ; +/- 5%RH (At 25 ° C 50%RH)
Measurement Resolution Display	0.1° C , 1%RH (TR-32)
Sensor Thermistor Macromolecular	
High Sensitive Humidity Sensor	



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 +/- 2% RH is available for customer's choice (DTM-20RP32)

Features

- Large, Easy to read dual LCD displays Humidity and Temperature measurement
- +/- 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
Measurement Range	Temperature : -20 ~ 60 ° C, -4 ~ 140 ° F 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
Operating environment	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. 266g
Accessories	Battery, Instruction manual, RP31 standard Sensor probe (Optional Precision sensor probe DTM-20-RP32) ; Optional extension cable 1.5 Meter long for the sensor.



DTM-301H

Large Display Thermometer Hygrometer



Features

- 2 rows Big Digits LCD Display;
- Indoor Temperature, Humidity, and Clock display at the same time;
- Temperature: -10°C to +50 °C(+23°F ~ + 122 °F); with 0.1°C resolution;
- Humidity: 20 ~99%, with 1% resolution
- °C and °F range selectable at any time.
- Maximum and Minimum temperature and humidity memory function;
- Daily reset of maximum and minimum records function with internal clock.

Specifications

Temperature Range	-10°C~50°C (14°F~122°F)
Temperature Accuracy	±1 °C
Humidity Range	20%RH~99%RH
Humidity Accuracy	±5% at 25 °C
Display Tem.Humidity Simultaneously	✓
°C/°F Selection	✓
12-hour/24-hour time system selectable	✓
Alarm Function (Clock)	✓
Calendar Function	✓
Internal-hour alarm function	✓
Power	1.5V Battery
Product Color	White
Standard Quantity Per Carton	50 PCS
Standard Carton Size	46.5mm X 50 X 14
Standard Carton Gross Weight	7.5kg



DTM-302

Hygro Thermometer



Features

- Indoor temperature display, indoor humidity display
- Temperature unit °C/°F changeable
- Memory of MAX/MIN value of temperature
- Comfort level display
- Power-supply: 1.5V (AAA) x 1

Specifications

Temperature Range	-10°C~+50°C (+14°F ~ +122°F)
Indoor Humidity Range	20%RH~90%RH
Size of product	91 x 85 x 20mm
Material	ABS
Packaging Style	Blister
Packaging Material	PVC

When the humidity exceeds 90%, the value will show Hi,
When the humidity is less than 20%, the value will display Lo.



DTM-303A

Hygro 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.

Functions

On/Off, indoor/outdoor temperature measurement, indoor humidity measurement, °F/°C, max/min (°F/°C) temperature & humidity memory recalling, comfortable and uncomfortable index, alarm clock with snooze

Features

- Easy to read jumbo display
- Comfortable and uncomfortable index (comfort/warm/cool)
- Temperature unit °F/°C selectable
- Maximum and minimum (°F/°C) temperature and humidity
- Memory recalling
- Alarm/snooze set
- Dual row display
- 3 meters extension wire with sensor
- 2 x 1.5 volt ""AAA"" sized or equivalent batteries

Specifications

Measurement Range	-50°C ~ +70°C or -58°F ~ +158°F / 20% ~ 100%R.H.
Accuracy	1°C or 1.8°F in the range of -20°C ~ +70°C or -4°F ~ +158°F, otherwise more than 1°C or 1.8°F 3% R.H. in the range of 30 ~ 70%R.H. otherwise 5% R.H.
Resolution	0.1° for whole range 0.1% r.h. for whole range



DTM-303B

Hygro Thermometer,
Temperature and Humidity
Meter for incubator



Indoor/outdoor temperature measurement, °F /°C selectable, max/min (°F /°C) memory recalling, max/min humidity memory recalling, comfortable & uncomfortable index

The LCD screen is 10mm(W) x 30mm(H) digits. Screen size is 7cm(W) x 6cm(H)

Features

- Dual display (indoor/outdoor temperature measurement, humidity)
- Comfortable and uncomfortable index (comfort/warm/cool)
- Temperature unit (°F /°C) selectable
- Maximum/ minimum (°F /°C) temperature & humidity memory recalling
- Detachable 3 m sensor wire with probe for outdoor measurement
- Flip out stand at back of unit

Specifications

Measurement range	-50°C ~ +70°C or -58°F ~ +150°F 20% ~ 100% R.H.
Resolution	±0.1°F for whole range ±0.1% R.H. for whole range
Accuracy	±1.0° or ±1.8°F in the range of -20°C ~ +70°C or -4 ~ +158°F; otherwise more than ±1.0°C or ±1.8°F
Ambient temperature for plastic case	-10°C ~ +50°C or +14°F ~ +122°F
Battery	2 x 1.5v "AAA" size or equivalent



DTM-303H

Hygro Thermometer
with Alarm Clock



DTM-303H Hygro-Thermometer is a multi-functional hygrometer with the features of measuring indoor humidity, indoor/outdoor temperature (°C, °F), max/min temperature and humidity recalling (°C, °F), comfortable and uncomfortable index, and audio alarm clock function with snooze. Indoor/outdoor hygro-thermometer with alarm clock

Features

- Easy to read jumbo display
- Comfortable and uncomfortable index (comfort/warm/ cool)
- Temperature unit °F/°C selectable
- Maximum and minimum (°F/°C) temperature and humidity
- Memory recalling
- Alarm/snooze set
- 12/24 hour format
- 3 meters extension wire with sensor
- 2 x 1.5 volt "AAA" sized or equivalent batteries

Specifications

Measurement range	-50°C ~ +70°C or -58°F ~ +158°F 20% ~ 100%R.H.
Accuracy	1°C or 1.8°F in the range of -20°C ~ +70°C or -4°F ~ +158°F, otherwise more than 1°C or 1.8°F 3% R.H. in the range of 30 ~ 70%R.H., otherwise 5% R.H.
Resolution	0.1° for whole range 0.1%r.h. for whole range



DTM-311A

Digital Indoor Outdoor Thermometer with Beeper Alarm



DTM-311A is designed to monitor temperature for both indoor and outdoor use. With its external sensor for measuring temperature of refrigerators, coolers, freezers Indoor outdoor temperature display.

Features

- Dual row display for easy reading
- Large LCD display with digit height 35 mm
- Flip out stand and hanging hole at the back of the unit
- Meters sensor wire with fixed probe for outdoor temperature measurement

Specifications

Measurement range	-50 °C~70 °C (-58 °F~158 °F) Outside temperature
Accuracy	±1°C (±1.8 °F) in the range of -20 °C ~ 50 °C (-4 °F~122 °F), otherwise more than ±1°C (±1.8°F)
Resolution	0.1° for whole range
Ambient temperature for plastic case	0 °C~50 °C (32 °F~122 °F)
Sensor type	NTC
External sensor	3 Meters sensor wire with probe (22.5 x Ø5.5mm) for outdoor temperature measurement
Function	°C/ °F, Max/ Min (°C/ °F) memory recalling, High alarm, Low alarm, Indoor/ Outdoor temperature measurement
Dimension	120 (H) x 100 (W) x 24 (D) mm
LCD size	70 (H) x 60 (W) mm
Weight	166 g
Battery	1 x 1.5 volts “AAA” size or equivalent

DTM-320

Temperature and relative Humidity Meter with remote probe

This portable thermal hygrometer for measuring the temperature and humidity of the environment with high Accuracy sensor of Humidity $\pm 2.5\%$ RH (@ 25 °C / (77°F), 30 ~ 95% RH) for industrial field service.



Features

- Temp: -20°C ~ 60°C (-4°F ~ 140°F)
- Humidity: 0 ~ 100% RH
- 4 Digit, Triple display.
- Reading hold °C or °F annunciators.
- MAX, MIN. function.
- Auto power off.
- Automatic low battery indication.
- Temperature /Humidity LCD Display
- DC 9V AC adapter
- Function Key Buttons
- Trippot Stand hole
- Battery Cover
- Panel operation indication
- Gift box and Deluxe plastic carrying case

Specifications

Measurement Range	Humidity 0% ~ 100% RH Temperature T1: -20°C ~ 60°C (-4°F ~ 140°F)
Accuracy	Humidity $\pm 2.5\%$ RH (@ 25 °C / (77°F) , 30 ~ 95% RH) Temperature (+0.7 °C , 1.4 °F)
Resolution	0.1% RH 0.1°C (0.1 °F)
Sensor Type Humidity	Precision capacitance sensor
Temperature	T1 Semiconductor sensor
Response Type Humidity	75 s (in slow moving air)
Operating Temp. & Humidity	0 °C ~ 50 °C (32 ~ 122°F) & 0 ~ 90% RH (Non-condensing)
Storage Temp. & Humidity	0 ~ 60 °C (14°F ~ 140°F) & 0~80% RH Non-condensing
Power Supply	9V NEDA 1604 Battery (Optional adapter ADP-01 110V, ADP-02 220V)
Battery Life Approximately	100 hrs (Alkaline)
Dimensions	Meter: 10.8" x 2.5" x 1.2" (186x64x30mm)
Probe	7.5" x 0.6" (190x15mm)
Weight	11.2 oz (320g)
Accessories	9V battery, Deluxe carrying case, owners manual. Humidity probe (Installed), 9V battery, Deluxe carrying case, owners manual



DTM-321, DTM-322

Temperature and Humidity Meter

DTM-321: Dual Input. Temperature and humidity meter.
DTM-322: Dual Input + Data Recorder.+RS-232 interface (optional USB cable)



DTM-321

- Temp:-20°C ~ 60°C (-4°F ~ 140°F)
K-type: -200°C ~ 1,370°C (-328°F ~ 2,498°F)
Humidity: 0 ~ 100% RH
- 4 Digit, Triple display.
- K-type Thermocouple.
- Reading hold °C or °F annunciators.
- MAX, MIN. function.
- Auto power off.
- ΔREL function.
- Automatic low battery indication.
- RS-232 computer interface.
- RS-232 cable and software for Windows (Options).

DTM-322

- Temp:-20°C ~ 60°C (-4°F ~ 140°F)
K-type: -200°C ~ 1,370°C (-328°F ~ 2,498°F)
Humidity: 0 ~ 100% RH
- Data Logging capacity 16,000 records.
- 4 Digit, Triple display.
- K-type Thermocouple.
- Reading hold, °C or °F annunciators.
- MAX, MIN function.
- Auto power off.
- Time function.
- Automatic low battery indication.
- RS-232 computer interface.
- RS-232 cable and software for Windows.

Specifications

Measurement Range	T: -20 ~ 60 (-4 ~ 140) T2: K-type:-200 ~ 1370 (-328 ~ 2498) Humidity: 0~100%RH, Accuracy ±2.5%RH
Accuracy	-20 ~ +60: T1:±0.7 -4 ~ 140 T1:±1.4 -200 ~ 1370: T2:±(0.3%rdg+1) typical -328 ~ 2498 T2:±(0.3%rdg+2) typical
Temperature Scale	Celsius or Fahrenheit user-selectable
Resolution: Humidity	0.1%RH;Temp.T1:0.1,0.1 T2:-200~200,0.1; 200 ~ 1370,1.
Sensor	K-type Thermocouple
Response Time (T1)	Humidity:75 sec. in slowly moving air
Temperature	40 sec. in slowly moving air
Input Protection	60V DC or 24V rms AC Maximum
General Power Requirement	1 piece 9V battery
Dimensions	Meter: 10.8" x 2.5" x 1.2" (186x64x30mm) Probe: 7.5" x 0.6" (190x15mm)
Weight	11.2 oz(320g)
Accessories	1 x TPK-01,probe, 9V battery, Deluxe carrying case,owners manual, RS-232 cable & software for Windows



DTM-323

Digital Hygro Thermometer with type K thermocouple probe

- Highly stable humidity measurement +/-2.5%
- Processing & RH and temperature simultaneously
- Two temperature sensors (NTC and K-Type) & Humidity sensor together
- Wet/Dry bulb, dew point and %RH
- Easy switching between K/NTC/K-DP
- MAX/MIN/AVG/REL/HOLD function
- Auto power off function

Specifications

Display	5 digit liquid crystal display (LCD) with a maximum reading of 888.8
Polarity	Automatic, positive implied, negative polarity indication.
Low battery indication	The " " is displayed when the battery voltage drops below the operating level.
Operating environment	0°C to 50°C at Storage environment: -20°C to 60°C, 0 to 70% 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. 265g including batteries.
Temperature Range	-50°C to 1000°C, -50°F to 1832°F
Accuracy	±(0.1% rdg+1°C) on 50°C to 1000°C / ±(0.1% rdg+2°F) on -50°F to 1832°F
Temperature Sensor	Thermistor temperature sensor
Range	0°C to 60°C, 32°F to 140°F
Resolution	0.1°C/°F
Accuracy	±2°C on 0°C to 10°C, ±0.5°C on 10°C to 45°C ±2°C on 45°C to 60°C ±4°F on 32°F to 50°F, ±1°F on 50°F to 113°F ±4°F on 113°F to 140°F
Relative Humidity Sensor	Capacitive humidity sensor
Range	0% to 100% RH
Accuracy	±2.5% at 25°C(77°F), 10% to 90% RH ±5% at 25°C(77°F), 0% to 10% RH, 90% to 100% RH
Sensor Response Time for 90% of Total Range	60 sec typical.



DTM-550

Highly Accurate Hygrometer / Humidity thermometer

DTM-550 is a highly accurate hygrometer which good for measure humidity and temperature. Temperature range is -20~100°C. humidity range 0~100%R.H.



Features

- Temp:-20°C~ 60°C
- Humidity:0 ~ 100%RH
- 3 1/2 Digit, Back light display
- Use highly accurate RTD temperature sensor
- MAX, DATA, HOLD function
- Automatic low battery indication
- Valox housing to withstand accidental

Specifications

Measurement Range	Temp:-20°C ~ 60 °C Humidity: 0 ~ 100%RH
Temp. Accuracy	±0.5°C-0°C~50°C, ±1°C-20°C to 0°C,50°C to 60°C
Humidity Accuracy	±2.5% RH (10% to 90% RH) ;±5% RH (90% RH)
Operating Environment	0°C to 50°C at Resolution: Temperature: 0.1°C; Humidity:0.1% RH;
Sensor	Pt385/1000Ω,RTD temperature sensor
General Power Requirement	4 pieces 1.5V (AAA size) batteries
Dimensions	6.7" x 1.7" x 1.6" (170x44x40mm)
Weight	6.3 oz(180g)
Accessories	Soft carrying case, batteries, owners manual

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-74Ui-S

TR-74Ui-S T&D Accumulating Light, Humidity and Temperature Data Logger



The TR-74Ui Illuminance UV Recorder is a data logger designed to simultaneously measure and record four items: Illuminance, Ultraviolet Light (UV), Temperature and Humidity. In addition to these, the TR-74Ui is also capable of displaying Cumulative Illuminance and Cumulative Amount of Ultraviolet Light in the LCD display. From dim moonlight to the summer sun, Illuminance can be measured within a wide range. The product is an all-in-one package that includes the data logger unit, sensors and software. We offer two types of packages with different temperature/humidity sensors depending on your required measurement range and accuracy needs. Simply by connecting to a PC via a USB connection and carrying out a few easy steps, the measurement and recording of data can be started. Not only can recorded data be easily downloaded to a PC via USB communication, but it can also be collected from data loggers via infrared communication to our T&D Data Collector TR-57DCi (sold separately). The TR-57DCi enables the user to gather and check recorded data on the spot without having to manually gather the data loggers.

Application Examples

- In art museums and other exhibit forums to manage illuminosity and help prevent deterioration of exhibits
- Management during all aspects of plant and food production
- For use in the development, testing, manufacture and sales of products for cutting UV rays
- UV reduction management in schools from kindergartens to universities
- For home and office use in the management of illuminosity and UV rays
- Design and management of homes and architectural buildings
- For managing the reduction of UV rays at swimming pools, the ocean, mountains and in parks
- For management and adjustment of illuminosity for photography and film
- For management in the production, storage and sales of foodstuffs and beverages
- For use at supermarkets, convenience stores and drugstores in UV product sales promotion materials

Features

- Measure and Record Illuminance, Ultraviolet Light (UV), Temperature and Humidity
- Temperature/Humidity Sensor Selection
- View Cumulative Illuminance and Cumulative Amount of Ultraviolet Light in LCD Display
- Measure Illuminance within Wide Range
- View and record Illuminance in Resolutions to 0.01 lx
- Simultaneously View Four Measurement in One Easy-to-Read Graph
- Large Logging Capacity: 8,000 Data Sets
- Transmit Recorded Data to PC via USB Connection



TR-71wb, TR-72wb, TR-72wb-S

Temperature and Humidity Data Logger Wireless WiFi TandD



The most distinguishing feature of TR-71wb/72wb is its auto upload function which automatically uploads recorded data from the logger to our free cloud service. It enables the viewing of uploaded data on your mobile device or PC anytime, anywhere. Try our new data loggers and take a step into the new world of cloud storage

Application Examples

- Performance Testing of Humidity and Heat Control in Housing
- For Managing Temperature and Humidity in Server Rooms
- For Temperature and Humidity Management in Hospitals, Museums, and Temperature Controlled Warehouses
- Management of Temperature and Humidity in Subway and Train Cars

Measurement Specification

Measuring Range : -20~70 ± 0.3 $^{\circ}\text{C}$ [Sensor:SHA-3151]
 Humidity Range : 10~95 %RH ± 2.5 %RH [Sensor:SHA-3151]
 Temperature Unit : $^{\circ}\text{C}$ / $^{\circ}\text{F}$
 Humidity Unit : %RH (Relative Humidity)
 Accuracy : ± 0.3 $^{\circ}\text{C}$ / ± 5 %RH
 Resolution : 0.1 $^{\circ}\text{C}$ / 1 %RH

Features

Temperature Unit Selectable: $^{\circ}\text{C}$ / $^{\circ}\text{F}$
 Data Transmission: Network / Usb
 Low Battery Indicator
 Memory Usage Indicator
 Data Logging: 8,000
 Recording Mode: Onetime / Endless
 Recording Interval Setup:
 1 Sec. ~ 60 Minutes(15 Choices)
 Uploading Interval Setup:
 1 Minute ~ 24hours (15 Choices)
 Capable Of Changing Different Probes
 Cloud Service : Tandd Web Storage
 Alarm: E-mail

Working Environment : 0~50 $^{\circ}\text{C}$ / Lower Than 90%rh
 Without Dew.
 Storage Environment : -10~40 $^{\circ}\text{C}$ / Lower Than 70%rh
 Without Dew.
 Elevation Limitation : Lower Than 1,000 Meters
 Wireless Specification : IEEE 802.11b/g/n (2.4ghz Only)
 Bluetooth : Bluetooth 4.2 (Bluetooth Low Energy)
 Dimension : 58mm x 78mm x 26mm
 Weight : Approx. 55 G (Without Battery)
 Accessory : Aa Battery X2, sha-3151, usb Line
 (Mini-b Cable Us-15c), manual



TR-71U TR-72U TR-73U

T&D Thermo Barometric Pressure Recorder



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

Model	TR-71U	TR-72U	TR-73U
Measurement	Internal: -10 ~60°C; External: -40 to 110°C	Internal: -10 to 60°C; External: 0~50°C; 10 to 95%RH	Internal: -10 to 60°C, 750 to 1100hPa; Ext 0~50°C, 10 ~ 95%RH
Optional Sensor	-60 to 155°C; -40 to 110°C	-40 to 110°C	-40 to 110°C
Resolution	0.1°C	1%RH	0.1°C; 1%RH ; 0.1hPa
Sensor	Thermistor	Macromolecular Humidity Sensor	Temp: Thermistor; Humidity: Macromolecular; Barometric Pressure sensor
Recording Interval	1,2,5,10,15,20,30 Seconds; 1, 2,5,10,15,20,30,60 minutes Total 15 choices		
Recording Capacity	8,000 x 2 Channels	8,000 x 2 Channels	8,000 x 3 channels
Attached Sensor	TR-0106 (Tep resin- coated temperature sensor)	TR-3100 x 1 (Temp. Humidity sensor)	TR-3100 x 1 (Temp. Humidity sensor)

TR-76Ui

T&D CO2 Temperature, humidity and CO2 data logger with built-in sensors



Temperature, humidity and CO2 data logger with built-in sensors

The "CO2 Recorder TR-76Ui" is a three-channel data logger designed to simultaneously measure and record CO2 concentration, temperature and humidity. Making atmospheric pressure settings for the measurement location ensures more stable and accurate CO2 measurements. The supplied software enables the user to download data recorded by TR-76Ui to PC via USB connection, whereby data from all three channels can be simultaneously viewed in graph or table form.

The product is an all-in-one package that includes the data logger unit, sensors and software. We offer two types of packages with different temperature/humidity sensors depending on your required measurement range and accuracy needs.

By using a Data Collector TR-57DCi (sold separately), it will be possible to collect recorded data from the TR-76Ui via infrared communication and immediately check the collected data on the spot. TR-76Ui support on the TR-57DCi is planned for release at the end of February 2012.

This versatile data logger can be used in a wide range of applications from personal to business use; for measurements of home environment, CO2 measurements in offices and other buildings, and/or energy-saving measures such as ventilation and air conditioning controls.

Application Examples

- Managing CO2, temperature and humidity in schools: from kindergartens to universities
- For home and office use in the management of CO2 concentration, temperature and humidity
- For energy-saving measures such as ventilation and air conditioning controls
- For research studies on photosynthesis and plant growth
- To use in estimations of ventilation

Standard Kit

- TR-76Ui
- Manuals
- AAA Alkaline Battery x 4
- AC Adaptor (AD-0638) or
- AC Adaptor (AD-0638-C)
- USB Communication Cable (US-15C)
- Software
- CD-ROM
- Temperature/Humidity Sensor (THA-3001/HHA-3151)



TMM-590

Moisture Meter

A moisture meter that has a CE-Mark approval. It is portable and has a simple one-hand operation, which meet the directives of EN50081-1(97) and EN50082-1(97). There is also an automatic power shut-off function for maximum battery life. It can be utilized in wide variety of requisitions including indoor, outdoor, furniture and environment studies.



Features

- CE-Mark approval
- Portability and simplicity one-hand operation
- According EN50081-1(97)
- According EN50082-1(97)
- Automatic power shut off for maximum battery life.
- Jack socket for pin extension leads
- Three lights to indicate moisture content in wood
- Measuring principle is electrical resistance
- Valox housing to withstand accidental drops
- Attached carrying case
- Applications: Indoor,Outdoor, Furniture, Environment studies

Green: "air, dry" conditions
Yellow: Slightly in excess of normal
Red: Excess moisture

Specifications

Display	3 LEDs and 3 1/2digit liquid crystal display (LCD).
Range	10% ~ 28%(Reading above 28 indicate increasing levels of high moisture are not percent moisture content,)
Accuracy	The accuracy is $\pm 2\%$ from 8% to 28% stated accuracy at $23^{\circ}\text{C} \pm 5^{\circ}\text{C}$, $< 75\%$ relative humidity
Low battery indication	The "battery indication" is displayed when the battery voltage drops below the operating level.
Operating environment	0°C to 40°C , 15 to 80% R.H.
Storage environment	-20°C to 60°C , 0 to 80% R.H. with battery removed from meter.
Accuracy	Stated accuracy at $23^{\circ}\text{C} \pm 5^{\circ}\text{C}$
Dimensions	193mm(H) x 44mm(W) x 40mm(D).
Weight	Approx. 150g including battery (1.5VX4pcs AAA size).
Temperature compensation	from 0 - 40°C

ZG-106

CO2 Monitor



The ZG106 is a new and low-cost carbon dioxide monitor implementing IR-SoC technology. Its many features include a data logger that can record up to 24 hours of data, a CO2 level alarm, and an extreme level indicator.

The ZG106 accurately detects carbon dioxide levels between 0 to 3000 ppm. By using an in-house ASIC design, Tecpel has created a CO2 monitor that has an extremely low parts count, attributing to the low cost of the ZG106.

This gas monitor is suitably fit for applications in Indoor Air Quality (IAQ), HVAC, safety, other industries.

Features

- Ultra low cost CO2 Monitor achieved by New IR-SoC Technology .
- It uses NDIR technology to improve the long term stability.
- Portable, accurate handheld CO2 Monitor.
- The Alarm mode will sound at 1000 PPM or adjust the alarm level
- Max/Min mode

Specifications

Measuring Range	0-3,000 ppm display
Display Resolution	1ppm at 0~1,000ppm / 5ppm at 1,000~2,000ppm 10ppm at 2,000~3,000ppm
Accuracy	±50 ppm or ±5% of reading
Repeatability	±20 ppm
Temperature Dependence	±0.1% of reading per °C or ±2 ppm per °C, whichever is greater, referenced to 25°C
Pressure Dependence	0.13% of reading per mm Hg (Corrected via user input for altitude)
Calibration	Interval 12 months, offset adjustment using single gas at 0-1000 ppm CO2. Full factory calibration available.
Measuring Range Display	32 to 122°F (0 to 50°C)
Display Resolution	0.1°F (0.1°C)
Display Options	°F / °C, or Off. Set with Up / Down