

Temperature Monitoring Solution Provider

/ SINCE 2006 /



PROFESSIONAL



PRODUCT CATALOGUE

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USB DATA LOGGER SERIES



PRECISE MEASUREMENT



Single-use PDF Temp Data Logger
(30/60/90 days duration)

TempU02



Single-use PDF Temp Data Logger
(30/60/90 days duration)

TempU05



Single-use USB Temp
Data Logger

TempU08



Single-use USB TEMP & RH
Data Logger

TempU08B



Single-use USB Temp
Data Logger

TempU09



Multi-use USB TEMP & RH
Data Logger

TempU07B



Multi-use USB TEMP & RH
Data Logger

TempU03



Multi-use USB Temp
Data Logger

TempU04

USB DATA LOGGER SERIES



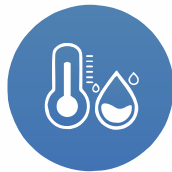
1

Press the button to start



2

Put it into the box



3

Record temperature and humidity



4

Connect PC to get the report

	TempU02/ TempU05	TempU09	TempU08	TempU08B	TempU07B	TempU03	TempU04
Product Picture							
Dimension	69*33*5mm/ 67*28*5.5mm	77*36*6mm	95.5*49*7.8mm	95.5*49*7.8mm	100*43*12mm	89*36*16mm	84*36*14mm
Operating Temp	-30°C ~ +60°C						
Temp Resolution	0.1°C						
Humidity Range	-----	-----	-----	5% ~ 95%RH	5% ~ 95%RH	5% ~ 95%RH	-----
Humidity Resolution	-----	-----	-----	0.1%RH	0.1%RH	0.1%RH	-----
Recording Option	Single-use		Single-use	Single-use	Multi-use	Multi-use	Multi-use
Accuracy	±0.5°C (-20 ~ 40°C), ±1°C (other)		±0.5°C (-20 ~ 40°C), ±1°C (other)	±0.5°C (-20 ~ 40°C), ±1°C (other)	±0.3°C (0 ~ 60°C), ±0.6°C (other)	±0.5°C (-20 ~ 40°C), ±1°C (other)	±0.5°C (-20 ~ 40°C), ±1°C (other)
				±5% (10%~90%)RH, ±8%(other)RH	±3% (10%~90%)RH, ±5%(other)RH	±5% (10%~90%)RH, ±5%(other)RH	
Data Storage Capacity	10000pcs	32000pcs	32000pcs	32000pcs	34560pcs	32000pcs	32000pcs
Probe Measuring Range	-----		-----	-----	-40°C ~ 85°C 5%RH ~ 95%RH	-----	-----
Battery Shelf Time	2 years		2 years	2 years	2 years	1 year	1 year
Waterproof Level	IP67		IP67	IP54	IP65	IP54	IP65

Dry Ice Temperature Data Logger USB Data Loggers



- Built-in temp sensor
- Typically 1.5 years
- -80°C ~ +70°C
- Temperature Accuracy: ±0.5°C
- Temp (RH) Management Software
- Waterproof: IP65

- External temp sensor
- Typically 1 year
- Bluetooth 4.2
- -100°C ~ +80°C
- Temperature Accuracy: ±0.5°C
- Temp Logger APP
- Waterproof: IP65

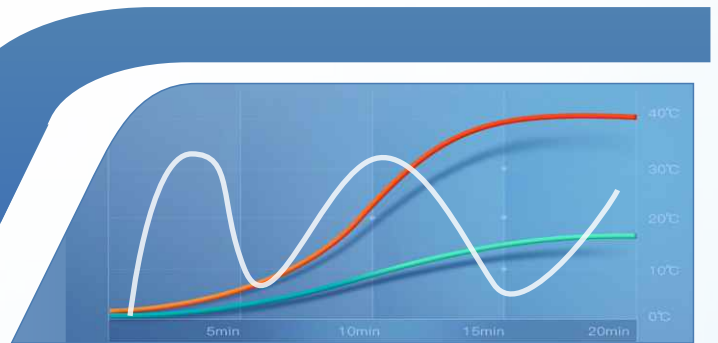
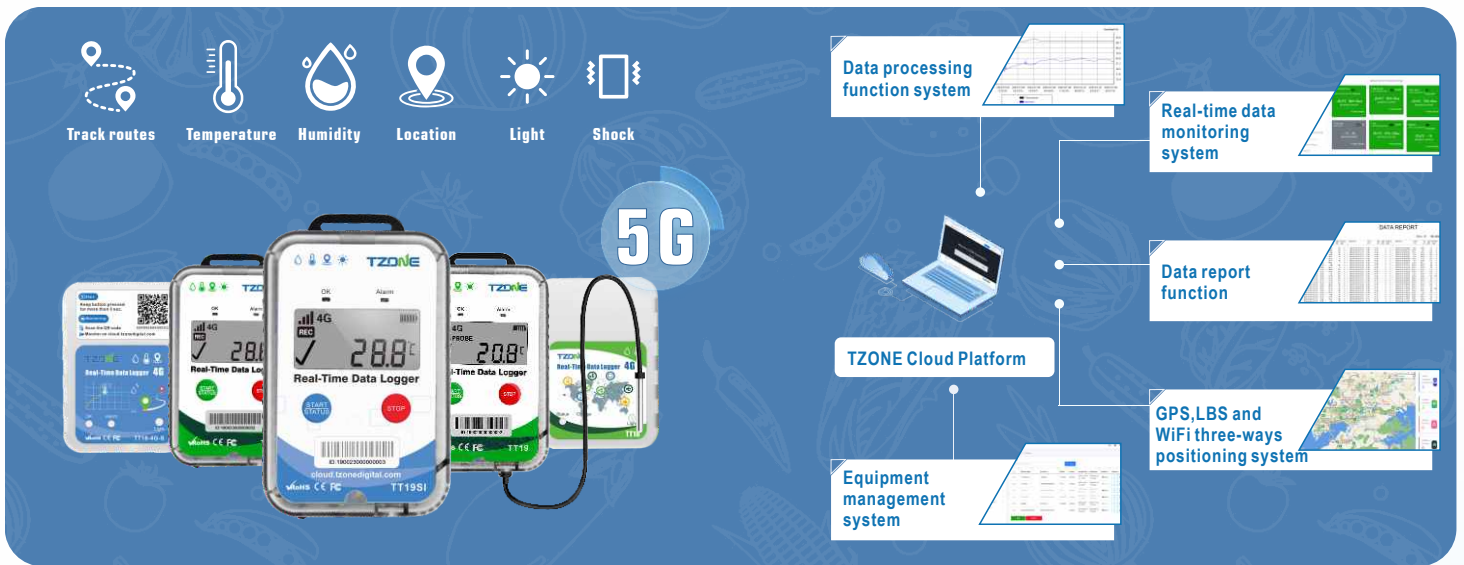
- External temp sensor
- Typically 1 year
- Bluetooth 4.2
- -200°C ~ +80°C
- Temperature Accuracy: ±0.5°C
- Temp Logger APP
- Waterproof: IP65

TempU06

TempU06 L100

TempU06 L200

REAL-TIME DATA LOGGERS



	TT18-4G-S	TT18-4G-M	TT19	TT19EX	TT19SI
Product Picture					
Standby Time	Max 60days	100 days (once charge)	60 days (once charge)		Max 120 days (once charge)
Usage Type	Single use	Multi use	Multi use		Single use and renewable
Transmit Interval	30mins		60mins		
Location Type	LBS		LBS,WiFi,GPS		LBS
Other Sensor	Light sensor		Light sensor, Vibration sensor		
Memory Capacity	20000 readings		17000 readings		
Dimension	90mm * 64mm * 27mm		100mm*66mm*29mm		
Light Sensor Range	0-64000lux				
Transmission Mode	Global LTE 4G/5G, fallback 2G network				
Working Temperature Condition	[TT19EX (Probe temperature: -80 °C ~ +120 °C) Built-in temperature: -20 °C ~ +60 °C				
Accuracy of Temp and Humidity Sensor	[TT19EX (Probe temperature: $\pm(0.15 + 0.2\%*t)$)] Built-in temperature: $\pm 0.3^{\circ}\text{C}$ (0°C ~ +60°C); $\pm 0.5^{\circ}\text{C}$ for other range Built-in humidity: $\pm 3\%$ (10%~90%RH); $\pm 5\%$ for other range				
Working Humidity Condition	5 % ~ 95% (non-condensing)				
Resolution	0.1°C/0.1%RH				

High stability



	BT03	BT07	BT04B	BT05	BT05B	BT06
Product Picture						
Dimension	62*36*5mm	84*64*1.8mm	50*50*16mm	66*48*10mm	66*48*10mm	84*36*14mm
Weight(s)	14g	14g	30g	25g	30g	40g
Operating Temp	-20°C ~ +60°C	-10°C ~ +50°C	-25°C ~ +60°C	-25°C ~ +60°C	-25°C ~ +60°C	-20°C ~ +60°C
Temperature Range	-20°C ~ +60°C	-10°C ~ +50°C	-25°C ~ +60°C	-25°C ~ +60°C	-40°C ~ +80°C	-20°C ~ +60°C
Temp Resolution	0.1°C					
Accuracy	±0.5°C (-20 ~ 40°C), ±1°C (other)	±0.5°C	±0.5°C (-20 ~ 60°C), ±1°C (other) ±5% (10%~90%)RH, ±8% (other)RH	±0.5°C (-20 ~ 40°C) ±1°C (other)	±0.5°C (-20 ~ 40°C), ±1°C (other)	±0.3°C (0 ~ 40°C), ±0.5°C (other) ±3% (10%~90%)RH, ±5% (other)RH
Humidity Range	-----	-----	5% ~ 95%RH	-----	-----	5% ~ 95%RH
Humidity Resolution	-----	-----	0.1%RH	-----	-----	0.1%RH
Transmission Distance	100 meters	110 meters	55 meters	55 meters	55 meters	300 meters
Data Storage Capacity	53248pcs	8640pcs	12000pcs	12000pcs	12000pcs	32000pcs
Battery Life	1 year	6 months	1.5 years	3 years	1.5 years	1 year
Protocol Standard	Bluetooth 5.0	Bluetooth 5.0	Bluetooth 4.1	Bluetooth 4.1	Bluetooth 4.1	Bluetooth 5.0
Waterproof Level	IP67	IP65	IP54	IP54	IP54	IP65

LORA SERIES



	Tag08	Tag08B	Tag08L	Tag09
Product Picture				
Maximum Range in Open Area	5KM			
Inner Lithium Battery	Built-in 3.6V/4000mAh (non-rechargeable)			
RF Frequency	433/470/868/915MHz (optional)			
Memory Capacity	50000			
Modulation	LoRa			
Battery Working Life	3 years (in 15mins interval)	3 years (in 15mins interval)	1 year (in 5mins interval)	3 years (in 15mins interval)
Accuracy of Temperature and Humidity	$\pm 0.5^{\circ}\text{C}$ (-10 ~ 85 $^{\circ}\text{C}$), $\pm 1^{\circ}\text{C}$ (other)	$\pm 0.3^{\circ}\text{C}$ (0 ~ 60 $^{\circ}\text{C}$), 0.5 $^{\circ}\text{C}$ (other) $\pm 2\%$ (10% ~ 90%)RH, $\pm 4\%$ (other)RH	$\pm (0.2\% t + 0.15)^{\circ}\text{C}$	$\pm (0.3\% t + 0.4)^{\circ}\text{C}$
Sensor Probe Detecting Range	-55 $^{\circ}\text{C}$ ~ +125 $^{\circ}\text{C}$	-30 $^{\circ}\text{C}$ ~ +60 $^{\circ}\text{C}$	-100 $^{\circ}\text{C}$ ~ +70 $^{\circ}\text{C}$	Type K: 0 $^{\circ}\text{C}$ ~ 1000 $^{\circ}\text{C}$
Operating Humidity Range	-----	5%RH ~ 95%RH (non-condensed)	-----	-----
	RD07-4G		RD07-WiFi	
Product Picture				
Interface	4G/RS485/MODBUS		LAN/WiFi	
RF Frequency	433/470/868/915MHz (optional)			
Modulation	LoRa			
Operating Temp Range	-20 $^{\circ}\text{C}$ ~ +60 $^{\circ}\text{C}$			
Operating RH Range	5%RH~95%RH			
Maximum Range in Open Area	5KM			
Power Supply	12V			

THERMOMETER SERIES



	PTD602	TC602	TC604	HTD702
Product Picture				
Range	PT100:-200°C ~ 660°C PT1000:-50°C ~ 300°C	K type:-200°C~1372°C T type:-200°C~400°C J type:-200°C~1200°C	K type:-200°C~1372°C T type:-200°C~400°C J type:-200°C~1200°C	Temperature: -40°C~125°C Humidity: 0%~100%RH
Storage	61440pieces	61440pieces	49920pieces	49920pieces
Accuracy	$\pm(0.2\% t +0.15)^{\circ}\text{C}$	$\pm(0.3\% t +0.4)^{\circ}\text{C}$	$\pm(0.3\% t +0.4)^{\circ}\text{C}$	Temperature: $\pm 0.2^{\circ}\text{C}$ (-40°C~90°C); $\pm 0.3^{\circ}\text{C}$ (other range) Humidity: $\pm 2\%$ RH
Dimension	183mm * 83mm * 35mm			
Unit	°C/°F/K			
Resolution	0.1			
Measurement Rate	1 time/second			
Log Sample Rate Interval	1~65535 seconds (adjustable)			
Operating Temperature	-10°C~+50°C			
Stored Temperature	-20°C~60°C (without battery)			
Power Supply	3 pieces of 1.5V AA batteries			

TRANSMITTER SERIES



TEMP & RH Sensor RS485

Temp Range:-40~+85°C
 Humidity Range:5%RH~95%RH
 Accuracy:±0.3°C (0 ~ 60°C), 0.5°C (other);
 ±2% (10% ~ 90%)RH, ±4% (other)RH
 Sensor:SHT30

THT02



TEMP & RH Sensor RS485

Temp Range:-40~+85°C
 Humidity Range:5%RH~95%RH
 Output: RS485,4-wire
 Accuracy:±0.3°C (0 ~ 60°C), 0.5°C (other);
 ±2% (10% ~ 90%)RH, ±4% (other)RH
 Sensor:SHT30

THT03R



TEMP & RH Sensor 4-20mA

Temp Range:-40~+85°C
 Humidity Range:5%RH~95%RH
 Output: 4-20mA, 3-wire
 Accuracy:±0.3°C (0 ~ 60°C), 0.5°C (other);
 ±2% (10% ~ 90%)RH, ±4% (other)RH
 Sensor:SHT30

THT03C



CO₂ Transmitter

Transfer Protocol:RS485 serial port,
 standard Modbus-RTU
 Working Temperature Range:0°C~50°C
 Sensing Element:NDIR
 Measuring Rang: 0~10000ppm
 Measurement Accuracy: ±(50ppm+3%
 reading value)
 Supply Voltage:DC 5~36V

CT01

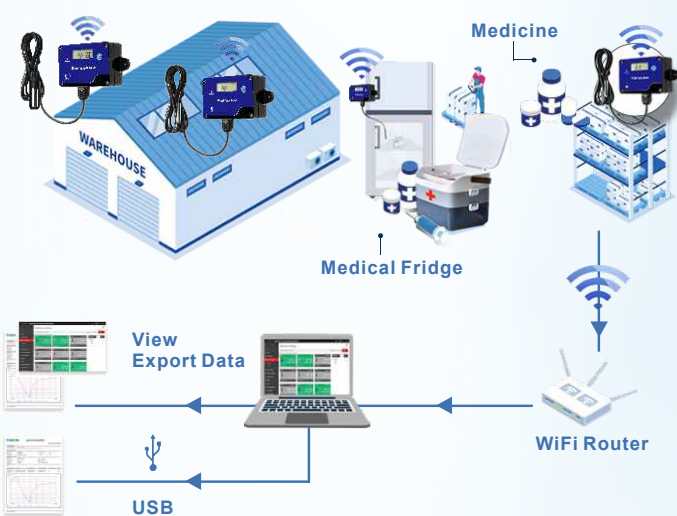


LoRa Voltage And Current Transmitter

Transmission Distance:5km
 Wireless Modulation Mode:LoRa modulation
 (*need work with LoRa gateway)
 Battery Life: 3 years
 Data Storage Capacity: 50000pcs
 Acquisition Interval:1min-1440mins,
 user-definable,default 15 minutes

TAG11

WiFi SENSOR SERIES



WF501



WF501B

Temp Range	-55°C ~ +125°C	-40°C ~ +125°C
Humidity Range	-----	5%RH~95%RH
Accuracy	±0.5°C (-10 ~ 85°C), 1°C (other)	±0.3°C (0 ~ 60°C), 0.5°C (other); ±2% (10% ~ 90%)RH, ±4% (other)RH
Built-in Battery	Built in 850mAh / 3.7V battery	Built in 850mAh / 3.7V battery
Resolution	0.1°C	0.1°C/0.1%RH
Data Storage Capacity	20000pcs	20000pcs