



DIGITAL MOISTURE METER CODE 9341-50



- Suitable for wood, smooth cement, hard gypsum, mixed mortar, brick, etc.
- Measure moisture, temperature and relative humidity
- Temperature type: ambient, dew point, wet bulb
- Maximum and minimum modes
- Automatic power off

SPECIFICATION

Measuring depth		0~50mm
Measuring range	moisture	0~60%
	temperature	-10~50°C/14~122°F
	relative humidity	0~100%RH
Accuracy	moisture	±2%
	temperature	±2%/±3.6°F
	relative humidity	±5%RH
Resolution	moisture	0.1%
	temperature	0.1°C/0.1°F
	relative humidity	0.1%RH
Sampling time		0.5s for moisture 1s for temperature and relative humidity
Power supply		2×AAA batteries
Dimension		130×56×29mm
Weight		206g



STANDARD DELIVERY

Main unit	1 pc
Battery (AAA)	2 pcs



INDUCTIVE MOISTURE METER CODE 0120-IM24

- Suitable for wood, gypsum and cement
- MAX/MIN/HOLD mode
- Alarm function
- Low battery indication
- Auto power off

SPECIFICATION

Measuring range	0~100%
Resolution	1%
Accuracy	±4%
Detection depth	20~40mm
Sampling time	0.5s
Power supply	9V battery
Dimension	185×55×38mm
Weight	193g



STANDARD DELIVERY

Main unit	1 pc
Battery	1 pc

DATA
OUTPUT

IP54
WATERPROOF

INFRARED THERMAL IMAGING CAMERA (BASIC TYPE) CODE 9132-T400

- Suitable for electric power, mechanical and electrical, heating ventilation and air conditioning, intelligent manufacturing, etc.
- High-sensitive infrared detector, resolution 256x192
- Support real-time super resolution technology, 4 times better image quality
- -20°C~550°C wide temperature measurement range, automatic switch
- Software is included: support file management, thermal image analysis, video analysis, report editing, etc.
- Mobile APP is included: support real-time data and video transmission

STANDARD DELIVERY

Main unit	1 pc
Power adapter	1 pc
TYPE-C data cable	1 pc
4G USB flash disk	1 pc
Software	1 pc

OPTIONAL ACCESSORY

Tripod	0701-TR175
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VIDEO



SPECIFICATION

Imaging and optics	detector type	unrefrigerated vanadium oxide, 7.5μm~14μm
	infrared resolution	256×192@12μm
	super resolution	upgrade to 512×384
	thermal sensitivity/NETD	45mK
	infrared frame rate	25Hz/9Hz
	focal length	3.2mm
	field of view	56°×48°
	spatial resolution/IFOV	3.75mrad
	minimum object distance	0.1m
	distance to spot size/D:S	266:1
focusing mode	focus-free	
Measurement and analysis	measurement range	support auto-switching: -20°C~150°C, 0°C~550°C
	measurement accuracy	±2°C or ±2%, whichever is greater
	analyzed target	center spot, fixed temperature measurement areas: small/medium/large
	temperature alarm	full screen temperature alarm with image and flash
	temperature measuring parameter	emissivity, reflected temperature, target distance
Image display	display screen	2.4" LCD
	image mode	IR, VIS, MIF, PIP
	color palette	6: iron red, white hot, arctic, rainbow 1, rainbow 2, hot iron
	image adjustment	level span mode: automatic, semi-automatic, manual
	digital camera	2MP
Function	laser	laser indication
	recording function	photo and video
Storage and transmission	storage	built-in 16GB
	image storage	JPG with temperature information
	video storage	support real-time video transmission, IRGD with temperature information
	external interface	TYPE-C, 1/4" tripod interface
	WIFI	can be connected to the mobile terminal for image and real-time video transmission
Power supply	battery type	rechargeable lithium-ion battery, non-removable
	operation time	11 hours
	charging mode	TYPE-C charging, capable of charging while using
	charging time	90% of full charge in 2.5 hours
Environmental parameter	operation temperature	-15°C~50°C
	protection	IP54, 2m drop test
	certification	CE, ROHS
Physical parameter	weight	375g
	dimension	194×61.5×76mm

front view



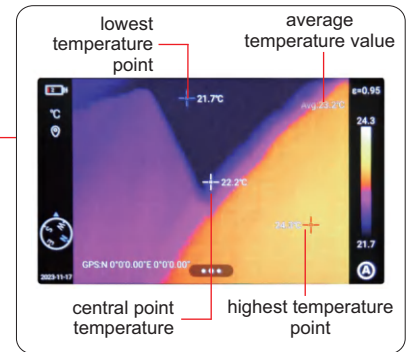
INFRARED THERMAL IMAGING CAMERA CODE 0231-IC650

DATA
OUTPUT

IP54
WATERPROOF



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- Suitable for electric power, metallurgy, petrochemical, scientific research and teaching, manufacturing, rail transit, building testing, electronic equipment overhaul, mechanical equipment maintenance, etc.
- Four image presentation: IR, VIS, MIF, PIP
- Real-time image can be photographed and video recorded
- Software is included: image browsing, image parameter editing, infrared image analysis, batch report generation, video editing, etc.
- WIFI real-time sharing, one-click connection to mobile device

SPECIFICATION

Imaging and optics	detector type	unrefrigerated vanadium oxide/7.5μm~14μm
	infrared resolution	256×192@12μm
	super resolution	upgrade to 512×384
	thermal sensitivity/NETD	<45mK
	infrared frame rate	30Hz/9Hz
	focal length	10.5mm
	field of view	25°×19°
	spatial resolution (IFOV)	1.7mrad
	minimum object distance	0.1m
	distance to spot size (D:S)	588:1
	focusing mode	manual/automatic/continuous autofocus
	digital zoom	1.1X~8X
	shot recognition	auto
	laser ranging	indication/ranging: 0.1m~40m
Measurement and analysis	measurement range	support auto-switching: -40°C~150°C, 0°C~650°C
	measurement accuracy	±2°C or ±2%, whichever is greater
	analyzed target	spot×5, line×5, area×5
	tracking/alarm	full screen maximum, minimum and average temperature tracking; the maxium, minimum and average temperature tracking of analyzed target; full screen temperature threshold alarm (image, voice and flash)
	temperature measuring parameter	emissivity, reflected temperature, target distance, humidity, atmospheric transmittance, optical transmittance, dew point
	other	isothermals, smart stroke, intelligently calculate the area

To be continued



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Image display	display screen	4.3", 800×480 pixel touch screen LCD
	digital camera	5MP
	image mode	IR, VIS, MIF, PIP
	image adjustment	level span mode: automatic, semi-automatic, manual
	color palettes	white hot, iron red, arctic, rainbow 2, hot iron, rainbow 1, fulgurite, medical, tint, black hot, blue hot, sepia, green hot, ice and fire, amber, customized
Function	recording function	photo and video (infrared & visible light)
	cloud service	available
	other	customized physical button, intelligent diagnosis, OTA update
Storage and transmission	storage	local storage (64GB) and external 64GB SD
	image storage	JPG with temperature information
	video storage	MP4 (without temperature information), can be used to record audio synchronously; irgd (with temperature information), up to 30Hz for temperature analysis
	external interface	TYPE-C, SD card slot
	WIFI	can be connected to the mobile terminal for image and real-time video transmission
	bluetooth	bluetooth 5.0, support image transmission (only for Android)
Power system	battery type	lithium-ion rechargeable battery, working time≥5 hours
	charging mode	TYPE-C charging; PC/portable charger; capable of charging while using
	charging time	90% of full charge in 2.5 hours
Environmental parameter	operation temperature	-20°C~50°C
	storage temperature	-40°C~60°C
	protection	IP54, 2-meter drop test
	certification	CE, FCC, ROHS
Physical parameter	hardware	illuminator, microphone, speaker, electronic compass, GPS
	dimension	292×125×125mm
	weight	1.15kg

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STANDARD DELIVERY

Main unit	1 pc
64G SD card	1 pc
Lithium-ion battery	2 pcs
Desktop charger	1 pc
Power adapter	1 pc
Software	1 pc

OPTIONAL ACCESSORY

Tripod	0701-TR175
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DATA
OUTPUT

IP54
WATERPROOF

**POCKET-SIZED THERMAL CAMERA
CODE 0232-PC550**



To be continued

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- The 256×192 infrared detector produces crisp image
- The IR, VIS, PIP and MIF reveal temperature details
- -20°C to 550°C temperature range with auto-switching capability
- Software is included

SPECIFICATION

Imaging and optics	detector type	unrefrigerated vanadium oxide/7.5μm~14μm
	infrared resolution	256×192@12μm
	thermal sensitivity/NETD	≤45mK
	infrared frame rate	25Hz/9HZ
	focal length	3.2mm
	field of view	56°×48°
	spatial resolution (IFOV)	3.75mrad
	minimum object distance	0.3m
	distance to spot size (D:S)	266:1
	focusing mode	focus-free
	digital zoom	1.1x~8x
	laser ranging	≤8m
Measurement and analysis	measurement range	support auto-switching: -20°C~150°C, 100°C~550°C
	measurement accuracy	±2°C or ±2%, whichever is greater
	analyzed target	spot×2 (include center spot), area×3
	tracking/alarm	full screen maximum/minimum temperature tracking; the maximum or minimum temperature tracking of analyzed target; full screen temperature threshold alarm (image and flash)
	temperature measuring parameter other	emissivity, reflected temperature, target distance intelligently calculate the area
Image display	display screen	3.5" LCD
	digital camera	5MP
	image mode	IR, VIS, MIF, PIP
	image adjustment color palettes	level span mode: automatic, semi-automatic, manual white hot, black hot, iron red, hot iron, rainbow, arctic
Function	recording function	photo
	cloud service	available
	other	customized physical button×2
Storage and transmission	storage media	local storage (16GB)
	image storage	JPG with temperature information
	external interface	TYPE-C
	WIFI	can be connected to the mobile terminal for image transmission
Power system	battery type	rechargeable lithium-ion battery, working time≥4 hours
	charging mode	TYPE-C charging; PC/portable charger; capable of charging while using
	charging time	90% of full charge in 2.5 hours
Environmental parameter	operation temperature	-10°C~50°C
	storage temperature	-40°C~70°C
	protection	IP54, 1m drop test
	certification	CE, FCC, ROHS
Physical parameter	hardware	illuminator, Laser (indication, ranging)
	dimension	138×89×35mm
	weight	296g

STANDARD DELIVERY

Main unit	1 pc
Power adapter	1 pc
Software	1 pc

OPTIONAL ACCESSORY

Tripod	0701-TR175
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**POPULAR
MODEL**

INFRARED THERMOMETER (BASIC TYPE) CODE 0222-C520

- Unit: °C, °F
- Automatic data hold
- MAX/MIN/AVG/DIF mode
- High and low alarm
- Adjustable emissivity
- Low battery display
- Over range indicator
- Automatic power off

SPECIFICATION

Temperature range	-50°C~500°C/-58°F~932°F
Temperature accuracy	±3.0°C (at -50°C~0°C), ±2.0°C or ±2% (at 0°C~500°C) ±5.4°F (at -58°F~32°F), ±4.0°F or ±2% (at 32°F~932°F)
Temperature resolution	0.1°C/0.2°F
Distance to spot size (D:S)	12:1
Emissivity	0.10~1.00 (adjustable)
Repeatability	±0.5°C or ±0.5%; ±1.0°F or ±0.5%
Response time	≤500ms (95% of reading)
Spectral response	8μm~14μm
Positioning laser	single-spot, class 2 laser product, output<1mW, wavelength 630nm~670nm
Power supply	2×AAA batteries, working time≥6h
Automatic power off	about in 15 seconds
Operation environment	temperature: 0°C~50°C/32°F~122°F; humidity: <90%RH (non-condensing)
Storage environment	temperature: -20°C~60°C/-4°F~140°F; humidity: <90%RH (non-condensing)
Dimension	148×85×46mm
Weight	160g



STANDARD DELIVERY

Main unit	1 pc
Battery (AAA)	2 pcs

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INFRARED THERMOMETER (STANDARD TYPE) CODE 0213-A500

- Unit: °C, °F
- Dual-spot laser sighting
- Negativity display
- Automatic power off
- Automatic data hold
- Over range indicator
- Max/Min display

SPECIFICATION

Temperature range	-20°C~380°C/-4°F~716°F
Temperature accuracy	±2.5°C (at -20°C~20°C), ±2% or ±2.0°C (at 20°C~380°C) ±4.5°F (at -4°F~68°F), ±2% or ±3.6°F (at 68°F~716°F)
Temperature resolution	0.1°C/0.1°F
Distance to spot size (D:S)	12:1
Emissivity	0.95 (fixed)
Repeatability	±1°C/1.8°F
Response time	150ms
Spectral response	8μm~14μm
Positioning laser	dual-spot, class 2 laser product, output<1mW, wavelength 630nm~670nm
Operation temperature	0°C~50°C/32°F~122°F
Operation humidity	10%RH~90%RH
Storage temperature	-10°C~60°C/14°F~140°F
Storage humidity	<80%RH
Power supply	1×9V battery
Dimension	137×73×38mm
Weight	135g



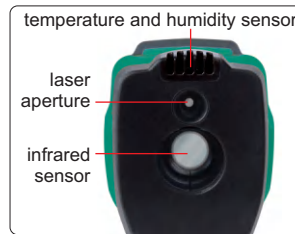
STANDARD DELIVERY

Main unit	1 pc
Battery	1 pc

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INFRARED THERMOMETER (MEDIUM TEMPERATURE TYPE) CODE 0215-A900

- Ambient temperature, dew point temperature and humidity detection
- Unit: °C, °F
- Circular laser sighting
- Display backlight
- Automatic power off
- Automatic data hold
- Adjustable emissivity
- High and low alarm



SPECIFICATION

Infrared sensor	temperature range	-30°C~800°C/-22°F~1472°F
	temperature resolution	0.1°C
	temperature accuracy	0.1°F (-22°F~1000°F), other range 1°F
		±3.0°C (at -30°C~20°C) ±(1% of reading +1)°C (at 20°C~450°C) ±(2% of reading) °C (at 450°C~800°C)
	distance to spot size (D:S)	20:1
	emissivity	0.10~1.00 (adjustable)
	response time	<150ms
	spectral response	8µm~14µm
positioning laser	circular, class 2 laser product, output<1mW, wavelength 630nm~670nm	
Temperature and humidity sensor	ambient temperature range	0°C~50°C/32°F~122°F
	dew point temperature range	0°C~50°C/32°F~122°F
	temperature resolution	0.1°C/0.1°F
	temperature accuracy	±1.0°C/±1.8°F
	humidity range	0%RH~100%RH
	humidity resolution	0.1%RH
humidity accuracy	±5%RH (20%RH~80%RH), other range ±7%RH	
Automatic power off	about in 10 seconds	
Power supply	1×9V battery	
Dimension	170×45×85mm	
Weight	196g	

STANDARD DELIVERY

Main unit	1 pc
Battery	1 pc

INFRARED THERMOMETER (MEDIUM-HIGH TEMPERATURE TYPE) CODE 0216-B210

- Unit: °C, °F
- Circular laser sighting
- Over range indicator with LED and buzzer
- 99 data storage
- Auto interval measurement
- MAX/MIN/AVG/DIF display



SPECIFICATION

Temperature range	-32°C~1300°C
Temperature accuracy	±(1.5+0.1· t)°C (<0°C), ±1.5°C or ±1.5% (≥0°C)
Temperature resolution	0.1°C (<1000°C), 1°C (≥1000°C)
Distance to spot size (D:S)	30:1
Emissivity	0.10~1.00 (adjustable)
Repeatability	0.7°C or 0.7%
Response time	≤250ms (95% of reading)
Spectral response	8µm~14µm
Positioning laser	circular, class 3R laser product, output 1mW≤P<3mW, wavelength 630nm~670nm
Operation temperature	0°C~50°C
Operation humidity	<90%RH (non-condensing)
Storage temperature	-20°C~60°C
Power supply	1×9V battery
Dimension	190×127×54mm
Weight	310g

STANDARD DELIVERY

Main unit	1 pc
Battery	1 pc

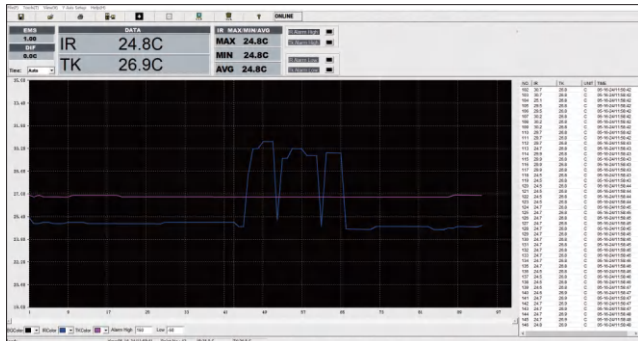
OPTIONAL ACCESSORY

Tripod	0701-TR175
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DATA
OUTPUT

INFRARED THERMOMETER (HIGH TEMPERATURE TYPE) CODE 0218-B610

computer software (included):
connect to software via USB cable to collect, display and stored data



tripod (included)



K-type thermocouple
(included)

- Unit: °C/°F
- MAX/MIN/AVG/DIF mode
- Trigger lock continuous measurement function
- Adjustable emissivity: 0.10~1.00
- 100 data storage
- High and low alarm
- Automatic data hold
- Low battery display
- Automatic power off
- Computer software is included

SPECIFICATION

Infrared system	temperature range	-50°C~1850°C/-58°F~3362°F
	temperature accuracy	±(2%· t +3.0°C) (at -50°C~20°C); ±(1%·t+1.0°C) (at 20°C~500°C); ±1.5% (at 500°C~1000°C); ±2.0% (at 1000°C~1850°C)
	temperature resolution	0.1°C/°F (<1000°C/°F), 1°C/°F (≥1000°C/°F)
	distance to spot size (D:S)	50:1
	emissivity	0.10~1.00 (adjustable)
	repeatability	±1.5°C (at -50°C~20°C), ±0.5% or ±0.5°C (at 20°C~1850°C)
	response time	150ms
	spectral response	8μm~14μm
K-Type thermocouple system (electrical signal)	positioning laser	dual-spot, class 2 laser product, output<1mW, wavelength 630nm~670nm
	temperature range	-50°C~1370°C/-58°F~2498°F
	temperature accuracy	±(1.5%· t +3°C) (at -50°C~1000°C) ±(1.5%·t+2°C) (at 1000°C~1370°C)
	temperature resolution	0.1°C/°F (<1000°C/°F), 1°C/°F (≥1000°C/°F)
Power supply	repeatability	±1.5%
Operation environment	1×9V battery	
Storage environment	temperature: 0°C~50°C humidity: 10%RH~90%RH (non-condensing)	
	temperature: -10°C~60°C humidity: <80%RH (non-condensing)	
Dimension	204×155×52mm	
Weight	315g	

STANDARD DELIVERY

Main unit	1 pc
9V battery	1 pc
USB cable	1 pc
K-type thermocouple	1 pc
Tripod	1 pc

SPECIFICATION OF K-TYPE THERMOCOUPLE

Temperature range	-40°C~250°C
Temperature accuracy	±2.5°C
Length	1m

DUAL-CAVITY BLACKBODY RADIATION SOURCE CODE PIC-D155



SPECIFICATION

Temperature range	low range: -15°C~100°C; high range: 50°C~500°C
Resolution	0.01°C (at -15°C~100°C), 0.1°C (at 100°C~500°C)
Stability	≤(0.1°C or 0.1% t , whichever is greater)/10min*
Uniformity	≤(0.15°C or 0.15% t , whichever is greater)*
Emissivity	>0.995
Cavity size	low range: Ø65mm; high range: Ø50mm
Cavity depth	low range: 110mm; high range: 160mm
Cool down time	30 minutes from ambient to -15°C
Heat up time	60 minutes from ambient to 500°C
Power supply	220V/50Hz
Power	850W
Dimension	380×295×320mm
Weight	17.1kg

*|t| is the absolute temperature value of blackbody radiation source

- Large target sizes of 50mm and 65mm for calibrating of infrared thermometers and infrared thermal imagers
- Contain two independent blackbody cavities
- The emissivity of blackbody radiation is better than 0.995
- 0.1 level temperature control meter with high accuracy
- Multi-point temperature correction function

STANDARD DELIVERY

Main unit	1 pc
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INFRARED AND PENETRATION THERMOMETER CODE 0321-IT42

IP65
WATERPROOF



SPECIFICATION

Infrared system	temperature range	-15°C~280°C/5°F~536°F
	temperature resolution	0.1°C/0.1°F
	temperature accuracy	±3.0°C (at -15°C~20°C), other range ±(1%+1.0)°C ±5.4°F (at 5°F~68°F), other range ±(1%+1.8)°F
	distance to spot size (D:S)	4:1
	emissivity	0.95 (fixed)
Penetration system	spectral response	8~14μm
	temperature range	-40°C~200°C/-40°F~392°F
	temperature resolution	0.1°C/0.1°F
	temperature accuracy	±2.0°C (at -40°C~0°C), other range ±(1%+1.0)°C ±3.6°F (at -40°F~32°F), other range ±(1%+1.8)°F
	Repeatability	<1.0°C
	Measurement response time	<500ms
	Power supply	2×1.5V AAA batteries
	Dimension	140×39×24mm
	Weight	140g

- Can measure the surface and inside temperature of objects
- Low battery display
- Display backlight
- High and low alarm
- Automatic data hold (infrared system)
- Automatic power off (infrared system)
- Unit: °C/°F

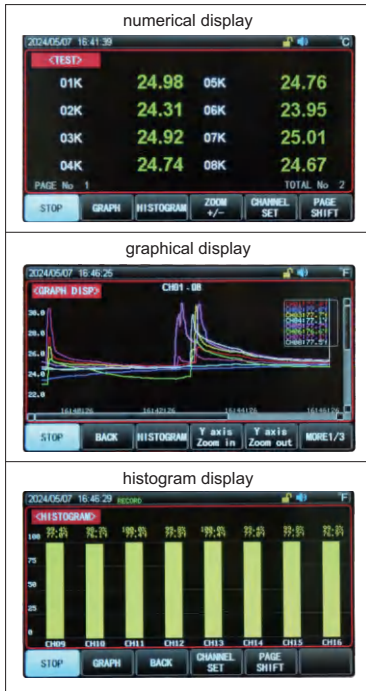
STANDARD DELIVERY

Main unit	1 pc
Battery (AAA)	2 pcs

MULTI-CHANNEL TEMPERATURE LOGGERS



DATA
OUTPUT

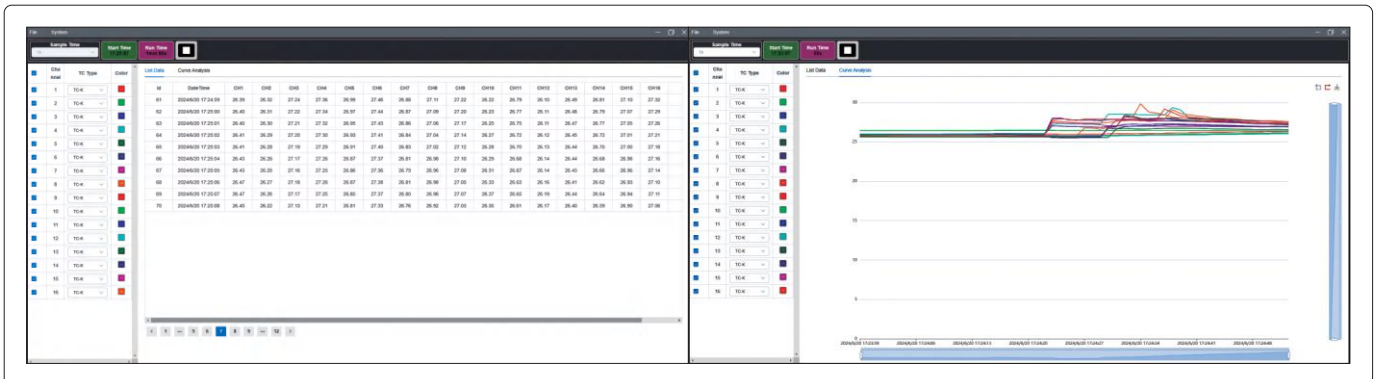


0350-MC16

K-type thermocouples
(included)

- Suitable for home appliances, motors, electric heating appliances, thermostats, transformers, ovens, thermal protectors, power supplies, lighting, electric power, LED and other industries
- Unit: °C/°F/K
- Channels are compatible with thermocouple types K/N/E/J/T/R/S/B
- 4.3 inch true color LCD
- Direct numerical value reading, histogram and graphical display mode
- Upper and lower limit overrun alarm
- Independent correction per channel
- Automatic detection of open-circuit thermocouple
- Standard U disk interface, support real-time data storage
- Computer software is included

computer software (included): connect to PC software via RS232 cable or network cable to collect, display and save data as .csv format



To be continued

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SPECIFICATION

Code	0350-MC08	0350-MC16	0350-MC32	0350-MC48
Channel number	8	16	32	48
Weight	3.5kg	3.6kg	3.7kg	3.8kg
Thermocouple type	K/J/T/E/N/S/R/B			
Temperature range (electrical signal)	type K	-100°C~1350°C		
	type J	-100°C~1200°C		
	type T	-150°C~400°C		
	type E	-100°C~850°C		
	type N	-100°C~1300°C		
	type S	0°C~1750°C		
	type R	0°C~1750°C		
	type B	600°C~1800°C		
Temperature accuracy* (electrical signal)	type K	±1.2°C (at -100°C~0°C); ±0.8°C (at 0°C~1350°C)		
	type J	±1.0°C (at -100°C~0°C); ±0.7°C (at 0°C~1200°C)		
	type T	±1.0°C (at -150°C~0°C); ±0.8°C (at 0°C~400°C)		
	type E	±0.9°C (at -100°C~0°C); ±0.7°C (at 0°C~850°C)		
	type N	±1.5°C (at -100°C~0°C); ±0.9°C (at 0°C~1300°C)		
	type S	±4.5°C (at 0°C~100°C); ±3.0°C (at 100°C~300°C); ±2.2°C (at 300°C~1750°C)		
	type R	±4.5°C (at 0°C~100°C); ±3.0°C (at 100°C~300°C); ±2.2°C (at 300°C~1750°C)		
	type B	±5.5°C (at 600°C~800°C); ±3.8°C (at 800°C~1000°C); ±2.5°C (at 1000°C~1800°C)		
Temperature resolution	0.01°C			
Test speed	fast: 500ms, slow: 1s			
Cold junction	accuracy: 0.5°C			
Interface	communication interface: RS232C/LAN			
	storage interface: USB (only U disk)			
Remote control	baud rate supports up to 115200bps, compatible with SCPI protocol and ASCII transmission			
Power supply	AC: 100V~240V, 50/60Hz AC/DC adapter: 24V/1A (optional)			
Operation environment	temperature: 10°C~40°C humidity: 10%RH~90%RH (non-condensing)			
Storage environment	temperature: 0°C~50°C humidity: 10%RH~90%RH (non-condensing)			
Dimension	370×260×100mm			

* Accuracy is specified for main unit in the ambient temperature between 15°C and 35°C, the above specification does not include thermocouple probe error

STANDARD DELIVERY

Main unit	1 pc
K-type thermocouple (0350-K01)**	8/16/32/48 pcs
RS232 cable	1 pc
Network cable	1 pc
Software	1 pc

** Number of thermocouples corresponding to the number of channels

SPECIFICATION OF K-TYPE THERMOCOUPLE***

Code	Range	Accuracy	Length
0350-K01	-20°C~200°C	±1.5°C	2m

OPTIONAL ACCESSORY

AC/DC adapter	0350-ADAPTER
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*** Other models, temperature range and length of thermocouples can be customized



DATA OUTPUT

BUILT-IN BLUETOOTH

THERMOCOUPLE THERMOMETER (FOUR CHANNELS) CODE 0323-CT47

- Unit: °C/°F/K
- Channels are compatible with 7 types of thermocouples K, J, T, E, R, S and N
- MAX/MIN/AVG/DIF mode
- 72000 data storage
- Offset value compensation
- Data hold function
- Display backlight
- Over range indicator
- Battery level display
- Automatic power off
- Built-in Bluetooth, mobile APP is included
- Computer software is included



K-type thermocouples (included)

SPECIFICATION

Thermocouple type	J/K/T/E/R/S/N
Temperature range (electrical signal)	K: -200°C~1372°C
	J: -210°C~1200°C
	T: -250°C~400°C
	E: -150°C~1000°C
	R: 0°C~1767°C
	S: 0°C~1767°C
Temperature accuracy* (electrical signal)	±(0.2%· t +0.5°C) (at -10°C~1767°C); ±(0.2%· t +1.0°C) (at -200°C~-10°C); ±(0.2%· t +2.5°C) (at -250°C~-200°C)
	N: -200°C~1300°C
Temperature resolution	0.1°C (<1000°C); 1°C (≥1000°C)
Repeatability	±(0.1%· t +0.3°C)
Response time	500ms
Logging interval	1s~24h (adjustable)
Memory capacity	72000
Data transmission	TYPE-C USB, Bluetooth
Power frequency anti-interference	50/60Hz
Input protection	60Vmax
Drop proof	1m
Power supply	3×AAA alkaline batteries, working time>30h; TYPE-C USB (only be connected to a PC power)
Operation environment	temperature: -10°C~50°C
	humidity: <90%RH (non-condensing)
Storage environment	temperature: -20°C~60°C
	humidity: <90%RH (non-condensing)
Dimension	180×63×38mm
Weight	250g (including batteries)

*Accuracy is specified for ambient temperature between 18°C and 28°C, the above specification does not include thermocouple probe error

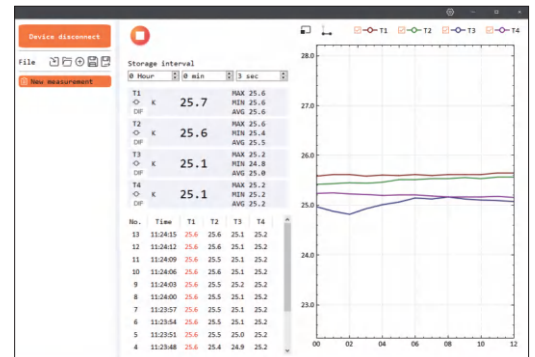
STANDARD DELIVERY

Main unit	1 pc
Battery (AAA)	3 pcs
USB cable	1 pc
K-type thermocouple (0323-K01)	4 pcs

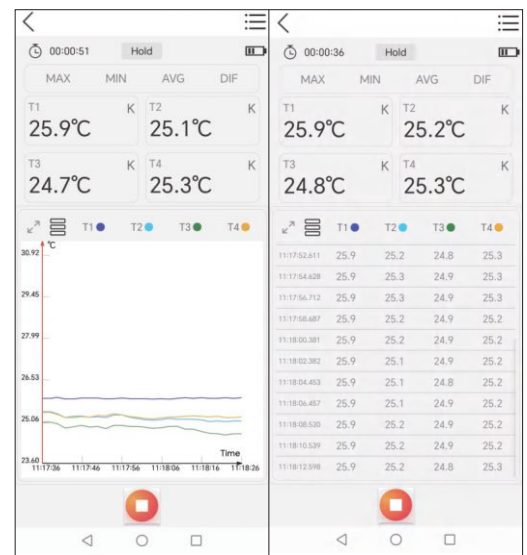
OPTIONAL ACCESSORY

Tripod	0701-TR175
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computer software (included): connect to PC software via USB cable to collect, display and stored data



mobile APP (included): connect to mobile APP via Bluetooth to collect, display and stored data, and can export the data stored on the device



SPECIFICATION OF K-TYPE THERMOCOUPLE**

Code	Range	Accuracy	Length
0323-K01	-40°C~260°C	±0.75%	900mm

**Other models, temperature range and length of thermocouples can be customized

K-TYPE THERMOCOUPLE THERMOMETER (ECONOMIC TYPE) CODE 0320-K230

- Contact K-type thermocouple
- Unit: °C/°F
- Data hold function
- Low battery display
- Display backlight

SPECIFICATION

Temperature range	-50°C~200°C/-58°F~392°F
Temperature accuracy	±2.0°C/±3.6°F
Temperature resolution	0.1°C (at -50°C~199.9°C), 1°C (at -50°C~200°C) 0.1°F (at -58°F~199.9°F), 1°F (at -58°F~392°F)
Sampling rate	2.5 times/sec
Power supply	3×3V CR2450 batteries (for 300 hours working)
Operation voltage	6.8V~10V
Dimension	149×76×34mm
Weight	220g

STANDARD DELIVERY

Main unit	1 pc
Thermocouple (K-type)	1 pc
CR2450 battery	3 pcs

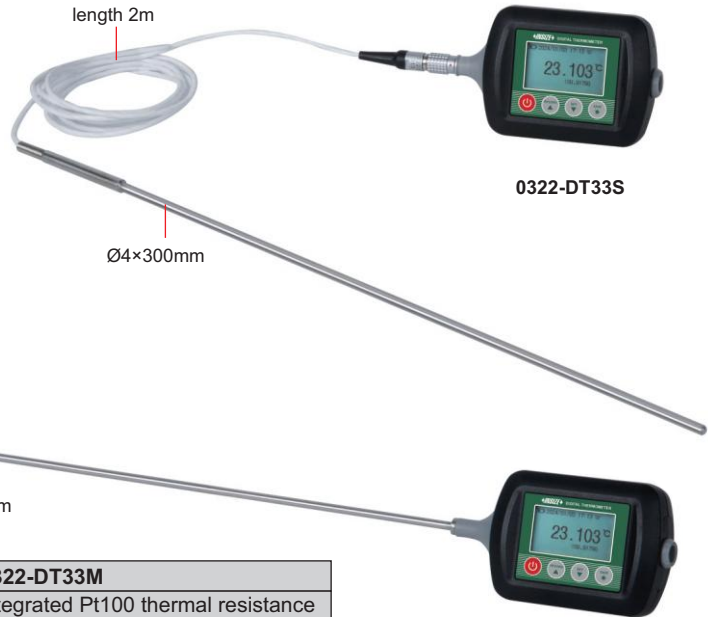


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HIGH PRECISION DIGITAL THERMOMETERS



- Can measure the temperature of liquid, steam and gas
- Real time/MAX/MIN/AVG temperature display, real time resistance display
- Built-in gravity sensor, automatic horizontal or vertical screen display
- Display backlight
- Automatic power off
- Software is included: on-line monitoring, data storage



0322-DT33S

0322-DT33M

SPECIFICATION

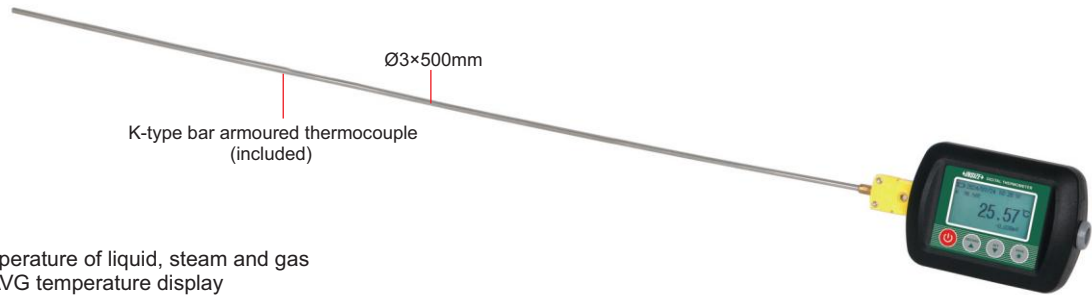
Code	0322-DT33S	0322-DT33M
Sensor type	separated Pt100 thermal resistance	integrated Pt100 thermal resistance
Sensor dimension	Ø4×300mm	Ø4×500mm
Weight	147g	115g
Measuring range	-30°C~300°C/-22°F~572°F	
Resolution	0.1°C/0.01°C/0.001°C (adjustable) 0.1°F/0.01°F/0.001°F (adjustable)	
Accuracy	±0.5°C/±0.9°F	
Annual stability	±0.2°C/±0.36°F	
Response time	<60s	
Memory capacity	100,000	
Logging interval	1s~99s	
Power supply	rechargeable lithium battery, working time≥40h	
Operation environment	temperature: -10°C~50°C/14°F~122°F humidity: 0%RH~95%RH (non-condensing)	

STANDARD DELIVERY

Main unit	1 pc
Software	1 pc
Power adapter	1 pc



DIGITAL THERMOMETER (HIGH TEMPERATURE TYPE) CODE 0324-DT11



- Can measure the temperature of liquid, steam and gas
- Real time/MAX/MIN/AVG temperature display
- Built-in gravity sensor, automatic horizontal or vertical screen display
- Display backlight
- Automatic power off
- Software is included: on-line monitoring, data storage

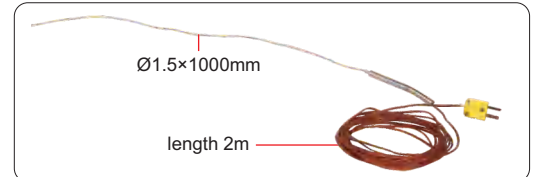
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SPECIFICATION OF MAIN UNIT

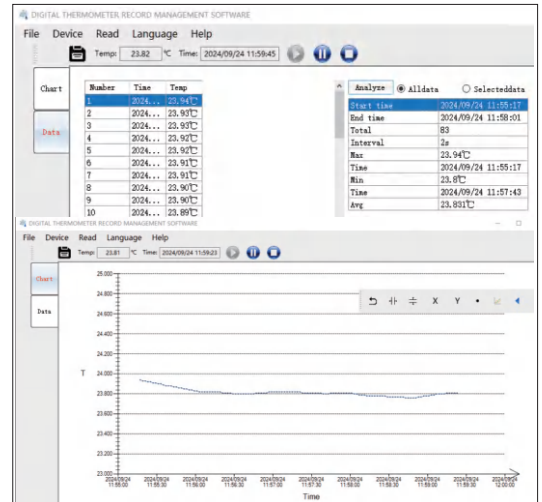
Thermocouple type	K/E/N/T/S
Temperature range	K: -200°C~1372°C
	E: -200°C~1000°C
	N: -200°C~1300°C
	T: -200°C~400°C
	S: -50°C~1768°C
Temperature accuracy *	K: ±0.8°C (at -200°C~0°C); ±0.6°C (at 0°C~1372°C)
	E: ±0.7°C (at -200°C~0°C); ±0.5°C (at 0°C~1000°C)
	N: ±0.8°C (at -200°C~0°C); ±0.6°C (at 0°C~1300°C)
	T: ±0.8°C (at -200°C~0°C); ±0.6°C (at 0°C~400°C)
	S: ±1.5°C (at -50°C~0°C); ±1.2°C (at 0°C~1768°C)
Temperature resolution	0.1°C/0.01°C (adjustable)
Annual stability	±8µV
Memory capacity	100,000
Logging interval	2s~99s
Power supply	rechargeable lithium battery, working time≥40h
Operation environment	temperature: -10°C~50°C humidity: 0%RH~95%RH (non-condensing)
Dimension	60×63×83mm
Weight	88g

* Accuracy is specified for ambient temperature between 18°C and 28°C, the above specification includes the error of the cold junction compensation and does not include the error of thermocouple sensor

K-type armoured thermocouple with extension wire (optional)



computer software (included): connect to PC software via data cable to collect, display and stored data



SPECIFICATION OF SENSOR **

Code	Product	Range ***	Accuracy	Dimension	Extension cord
0324-KB1	K-type bar armoured thermocouple	-40°C~1100°C	class 1: ±1.5°C or ±0.4%·t	Ø3×500mm	/
0324-KE2	K-type armoured thermocouple with extension wire	-40°C~1100°C	class 1: ±1.5°C or ±0.4%·t	Ø1.5×1000mm	2m

** Other models, temperature ranges and dimensions of thermocouples can be customized

*** Sensors are consumables and are recommended to be used within 1000°C, beyond that the service life will be reduced

STANDARD DELIVERY

Main unit	1 pc
K-type bar armoured thermocouple (0324-KB1)	1 pc
Software	1 pc
Power adapter	1 pc

OPTIONAL ACCESSORY

K-type armoured thermocouple with extension wire	0324-KE2
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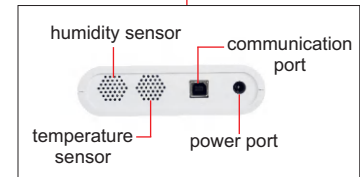
DATA LOGGER FOR TEMPERATURE AND HUMIDITY (BUILT-IN SENSOR) CODE 0311-3070

IP54
WATERPROOF

DATA
OUTPUT



stand (included)



- Signal acquisition, display, storage, analysis function
- Low power consumption
- Built-in high-precision temperature and humidity sensor
- Software is included

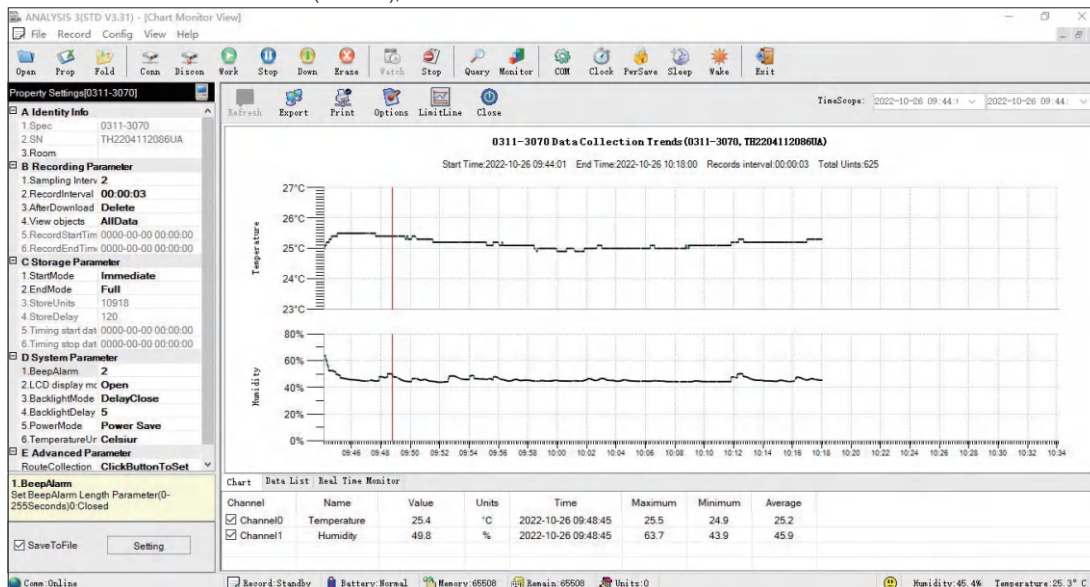
SPECIFICATION

Temperature range	-30°C~70°C/-22°F~158°F
Temperature accuracy	±0.3°C (at 23°C±2°C), other range ±0.5°C ±0.6°F (at 73.4°F±3.6°F), other range ±0.9°F
Temperature resolution	0.1°C/0.2°F
Humidity range	0%RH~100%RH
Humidity accuracy	±3%RH (at 10%RH~85%RH), other range ±5%RH
Humidity resolution	0.1%RH
Memory capacity	10918
Alarm	function: alarm when over high or low limit method: display+buzz+backlight
Sampling interval	2s, 5s, 10s, 30s, 60s, 255s (adjustable)
Logging interval	2 seconds~24 hours (adjustable)
Start with delay	1~120 seconds (adjustable)
Start mode	start immediately/delay start/timing start
End mode	Full/FIFO/preset/timing end
Timing start/end	random start/end with format YYMMDD HHMMSS
Interface	USB
Time battery	CR2032
Power supply	3.6V lithium battery (ER14505) or 5~24V DC
Dimension	123×117×33mm
Weight	260g

STANDARD DELIVERY

Main unit	1 pc
Software and USB cable	1 pc
Power adapter	1 pc
Time battery	1 pc
Lithium battery	1 pc

software (included), record and download data to PC software via USB cable





IP64
WATERPROOF

DATA
OUTPUT

MINI DATA LOGGER FOR TEMPERATURE AND HUMIDITY (BUILT-IN SENSOR) CODE 0317-TH37

- Built-in high-precision sensor
- 15000 memory for long-term logging
- Unit: °C/°F
- Display backlight
- Over range indicator
- Battery level display
- Computer software is included



STANDARD DELIVERY

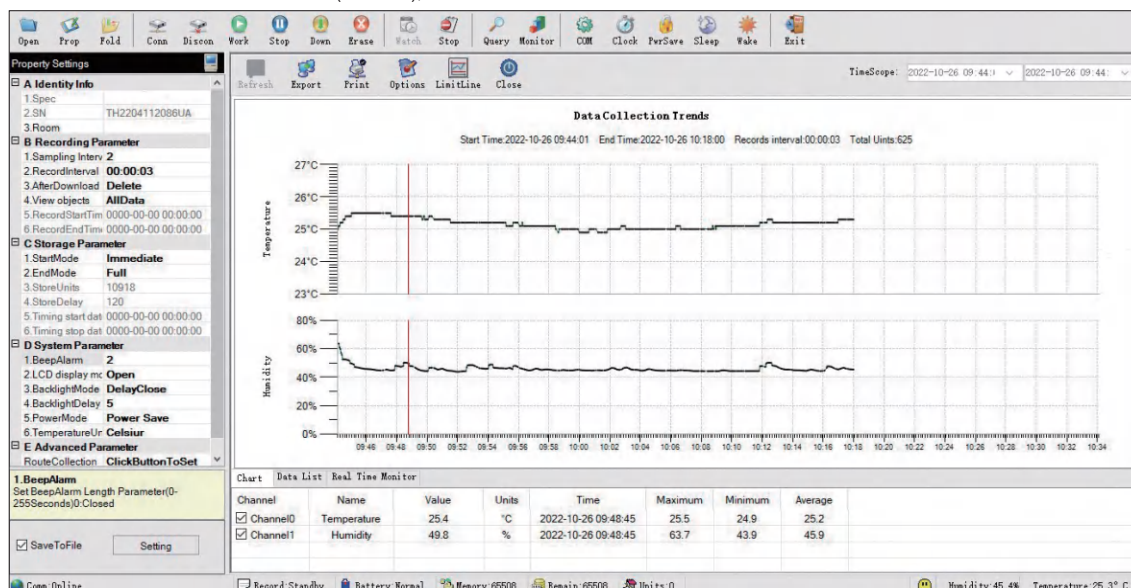
Main unit	1 pc
USB cable	1 pc
Software	1 pc
4G USB flash disk	1 pc

35

SPECIFICATION

Temperature range	-30°C~70°C/-22°F~158°F
Temperature accuracy	±0.5°C/±0.9°F
Temperature resolution	0.1°C/0.2°F
Humidity range	0%RH~100%RH
Humidity accuracy	±3%RH (at 10%RH~85%RH, testing temperature: 23°C±2°C); ±5%RH (at 0%RH~10%RH and 85%RH~100%RH, testing temperature: 23°C±2°C)
Humidity resolution	0.1%RH
Memory size	15,000
Alarm	function: alarm when over high or low limit method: display+backlight
Sampling interval	2s, 5s, 10s, 30s, 60s, 255s
Logging interval	2s~24h (adjustable)
Start with delay time	1s~120s (adjustable)
Start mode	key operation/start immediately/time-lapse start/timing start
End mode	key operation/Full/FIFO/presetting units/timing end
Interface	Mini USB
Power supply	3.6V rechargeable lithium battery, working time: 1 year (with sample rate of 60s)
Storage temperature	-50°C~90°C
Dimension	86.2×64.2×25.4mm
Weight	81g

software (included), record and download data to PC software via USB cable



MINI TEMPERATURE AND HUMIDITY METER CODE 0319-TH60



- 3.5" LCD screen
- Temperature/humidity/time/comfort display
- Highest/lowest temperature and humidity memory function
- Unit: °C/°F



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SPECIFICATION

Temperature range	0°C~55°C/32°F~131°F
Temperature resolution	0.1°C/0.1°F
Temperature accuracy	±0.5°C/±0.9°F
Humidity range	0%RH~99%RH (non-condensing)
Humidity resolution	1%RH
Humidity accuracy	±5%RH (at 10%RH~90%RH), other range ±7%RH
Power supply	2×3V CR2032 batteries
Dimension	88×70×12mm
Weight	62g

STANDARD DELIVERY

Main unit	1 pc
Battery (CR2032)	2 pcs

THERMOHYGROMETER (BASIC TYPE) CODE 0316-TH62

- Temperature/humidity/time display
- High and low alarm
- Low battery display
- Display backlight
- Environment comfort display



SPECIFICATION

Temperature range	-20°C~60°C
Temperature accuracy	±0.5°C (at 26°C~42°C), other range ±1.0°C
Temperature resolution	0.1°C
Humidity range	10%RH~99%RH (non-condensing)
Humidity accuracy	±5%RH (45%RH~79%RH), other range ±7%RH
Humidity resolution	0.1%RH
Sampling interval	3s
Power supply	2×AAA batteries
Dimension	117×94×23mm
Weight	149g

STANDARD DELIVERY

Main unit	1 pc
Battery (AAA)	2 pcs

IP50
DUSTPROOF

DIGITAL THERMOHYGROMETER (ADVANCED TYPE) CODE 9362-TH27

- Measure humidity, ambient temperature and dew-point temperature
- Max/Min/Average mode
- Alarm function
- IP50 protection grade

SPECIFICATION

Sensor model	NTC thermistor/humidity capacitance/digital sensor
Temperature range	-20°C~70°C/-4°F~158°F
Temperature accuracy	±0.5°C/±0.9°F
Temperature resolution	0.1°C/0.2°F (minimum adjustable unit is 0.2°F in setting mode)
Humidity range	0~100%RH
Humidity accuracy	±5%RH
Humidity resolution	0.1%RH
Sampling interval	5s
Power supply	1.5V AAA battery
Dimension	95×107×18mm
Weight	105g



STANDARD DELIVERY

Main unit	1 pc
Battery (AAA)	1 pc

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THERMOHYGROMETER (EXTERNAL SENSOR) CODE 0313-TH48

- External sensor, 3m cable
- Time/temperature/humidity display
- Temperature and humidity upper and lower limit alarm function
- Unit: °C/°F
- Low battery alarm



SPECIFICATION

Temperature range	-40°C~80°C/-40°F~176°F
Temperature accuracy	±0.5°C (at -20°C~60°C), ±1.0°C (at 60°C~80°C), ±2°C (at -40°C~-20°C), ±2°F (at -20°F~176°F), ±3°F (at -40°F~-20°F)
Temperature resolution	0.1°C (at -20°C~80°C), other range 1°C 0.1°F (at -20°F~100°F), other range 1°F
Humidity range	0%RH~99.9%RH
Humidity accuracy	±5%RH (at 10°C~60°C), other range ±7% ±5%RH (at 50°F~140°F), other range ±7%
Humidity resolution	0.1%RH
Sensitivity attenuation value	temperature: <0.1°C/year (<0.2°F/year) humidity: <1%RH/year
Sampling interval	5 seconds
Power supply	built-in rechargeable lithium battery (USB 5V charging) working time at least one month
Dimension	88×88×21mm
Weight	174g

STANDARD DELIVERY

Main unit	1 pc
USB charging cable	1 pc

1122

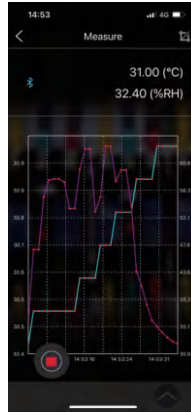
THERMOHYGROMETER CODE 0310-H26



VIDEO

- Measure humidity, ambient temperature, dew point temperature and wet bulb temperature
- Min/Max, data hold function
- Bluetooth 4.0
- Auto power off
- Supplied with APP for Apple and Android

App measurement



App record

No.	Data Value (°C)	Data Value (%RH)
1	30.90	41.40
2	30.90	38.50
3	30.90	36.10
4	31.00	35.10
5	31.00	34.20
6	31.00	33.40
7	31.00	32.80
8	31.00	32.40
9	31.00	32.10
10	31.00	32.00
11	31.00	31.70
12	31.00	31.40



SPECIFICATION

Function	Measuring range	Resolution	Accuracy
Ambient temperature	0°C~50°C 32°F~122°F	0.1°C/0.1°F	±1.0°C/±1.8°F
Wet bulb temperature	0°C~50°C 32°F~122°F		
Dew point temperature	0°C~50°C 32°F~122°F		
Humidity	0%RH~80%RH	0.1%RH	±5.0%RH
Auto power off	30 minutes		
Data port	Bluetooth 4.0		
Power supply	9V battery		
Dimension	204×54×36mm		
Weight	172g		

STANDARD DELIVERY

Main unit	1 pc
Battery	1 pc

OPTIONAL ACCESSORY

Tripod	0701-TR175
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THERMOHYGROMETER CODE 0315-HT164

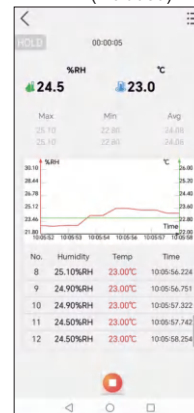
BUILT-IN
BLUETOOTH

- Real-time value/maximum/minimum display
- Unit: °C/°F
- Display backlight
- Automatic power off
- Low battery display
- Over range indicator
- Built-in bluetooth, mobile APP is included

SPECIFICATION

Temperature range	-10°C~60°C
Temperature accuracy	±1.0°C
Temperature resolution	0.1°C
Humidity range	0%RH~99.9%RH
Humidity accuracy	±5.0%RH
Humidity resolution	0.1%RH
Sampling interval	1s
Power supply	3×AAA batteries, working time≥12h
Operation environment	temperature: 0°C~40°C
	humidity: <90%RH (non-condensing)
Storage environment	temperature: -20°C~60°C
	humidity: <75%RH (non-condensing)
Dimension	137×55×28mm
Weight	102g

APP (included)



STANDARD DELIVERY

Main unit	1 pc
Battery (AAA)	3 pcs

OPTIONAL ACCESSORY

Tripod	0701-TR175
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- Environment comfort display: COMFORT, WET, DRY
- Time/temperature/humidity display
- Highest/lowest temperature and humidity memory function
- Alarm clock function
- Unit: °C, °F

TEMPERATURE AND HUMIDITY METER (ECONOMIC TYPE) CODE 0312-TH50

SPECIFICATION

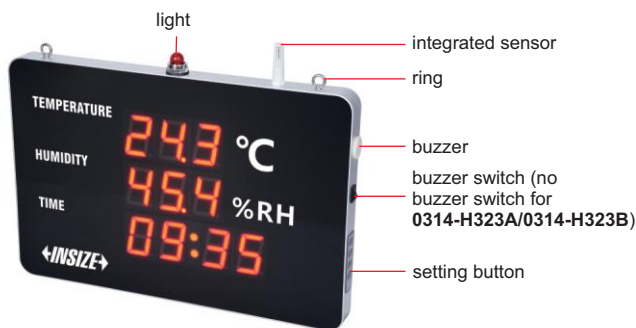
Temperature range	0°C~50°C/32°F~122°F
Temperature accuracy	±1.0°C (at 5°C~40°C), other range ±1.5°C ±1.8°F (at 41°F~104°F), other range ±2.7°F
Temperature resolution	0.1°C/0.1°F
Humidity range	10%RH~90%RH
Humidity accuracy	±5%RH (at 40%RH~80%RH), other range ±8%RH
Humidity resolution	1%RH
Power supply	1×AAA 1.5V battery
Dimension	108×60×15mm
Weight	74g



STANDARD DELIVERY

Main unit	1 pc
Battery	1 pc

LARGE SCREEN TEMPERATURE AND HUMIDITY METERS



0314-H533A



0314-H533B



- High definition LED large screen display: temperature, humidity, time
- Exceeding limit alarm: buzzer alarm, digit/light flash alarm
- Installation method: wall mounted or ring type

STANDARD DELIVERY

Main unit (including sensor)	1 pc
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SPECIFICATION

Code	0314-H323A	0314-H323B	0314-H423A	0314-H423B	0314-H533A	0314-H533B	0314-H643A	0314-H643B
Dimension	300×200×36mm		400×265×36mm		500×330×36mm		600×400×36mm	
Sensor type	integrated	separated	integrated	separated	integrated	separated	integrated	separated
Power consumption	5W		5W		9W		10W	
Weight	1.3kg		2kg		3kg		4kg	
Sensor	integrated: plastic probe case (not dustproof, not waterproof) separated: metal probe case (dustproof, waterproof), cable length 1m (can be customized, within 20m)							
Temperature range	integrated: -20°C~60°C; separated: -40°C~85°C							
Temperature resolution	integrated: 0.1°C (at 0°C~60°C), other range 1°C separated: 0.1°C (at 0°C~85°C), other range 1°C							
Temperature accuracy	integrated: ±0.5°C (at 0°C~60°C), other range ±2°C separated: ±0.5°C (at 0°C~85°C), other range ±2°C							
Humidity range	5%RH~95%RH							
Humidity resolution	0.1%RH							
Humidity accuracy	±3%RH (@25°C)							
Long-term stability	temperature≤0.1°C/year; humidity≤1%RH/year							
Repeatability	temperature≤0.1°C; humidity≤0.5%RH							
Sampling speed	1s							
Response time	3 minutes to reach 90% of the final value							
Time accuracy	±15s/month (@25°C±2°C)							
Power supply	AC100~240V (50/60Hz)							
Power cable length	1.8m							
Operation condition	temperature: -20°C~60°C; humidity: 5%~95% (non-condensing)							

TEMPERATURE AND HUMIDITY DATA LOGGER CODE THL-A01



- Suitable for testing the temperature field, humidity field, uniformity and volatility of various temperature (humidity) environment experimental equipment, industrial furnaces and verification furnaces
- 24 channels can be independently configured as thermocouple, platinum resistance, humidity sensor and analog input mode
- Each channel provides an accuracy advantage over 0.15°C thermocouple for cold-end compensation
- Support voltage, resistance, temperature, humidity and other data formats display, storage and output
- Support Wireless Network, RS232 communication mode: Wireless Network can remotely browse real-time data and download stored data, RS232 communication protocol based on RSCII code for encoding and reading data
- Built-in 8G large capacity memory, data can be exported via USB port

SPECIFICATION OF TEMPERATURE AND HUMIDITY DATA LOGGER

	Type (electrical signal)	Range	Resolution	Accuracy
Temperature	PT100	-200 ~950°C	0.001°C	0.05°C at 0°C 0.08°C at 300°C 0.12°C at 600°C
	K	-200°C~1300°C	0.01°C	0.5°C
	J	-200°C~900°C		0.5°C
	T	-200°C~400°C		0.5°C
	E	-200°C~1000°C		0.5°C
	N	-200°C~1300°C		0.5°C
	B	250°C~1820°C		0.8°C at 1000°C
	R	0°C~1768°C		0.7°C at 1000°C
	S	0°C~1768°C		0.9°C at 1000°C
Humidity	-	0%RH~100%RH	0.01%RH	0.1%RH
Voltage	range: 100mV	-10mV~100mV	0.1μV	0.01% of reading+0.008% of full scall
	range: 1V	0V~1V	0.1mV	0.01% of reading+0.008% of full scall
Resistance	range: 400Ω	0Ω~400Ω	0.1mΩ	0.004% of reading+0.004% of full scall
Sampling mode	24-channel synchronous sampling			
Sampling speed	0.2s/24 channel			
Memory	8G			
Output	USB, wireless, RS232			
Operation environment	temperature: 5°C~35°C			
	humidity: 0%RH~85%RH (non-condensing)			
Storage environment	temperature: 5°C~35°C			
	humidity: 0%RH~85%RH (non-condensing)			
Power supply	power adapter			
Dimension	250×180×75mm			
Weight	1.7kg			

To be continued