THETA

Focus on the weather and the environment

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THETA INSTRUMENTS

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ABOUT THETA

Theta Instruments design, develop and manufactures ultrasonic air flow sensor, multi-parameter weather station and industrial measuring instruments for environmental and gas emission detection and monitoring.

Theta focus on sensor technology design and development based on a modular concept to meet new measuring requirements of our customers' applications. With more than 10 years experiences in sensor technology, design and development, and field applications, Theta is delighted to help our customers profit from our expertise in sensor technology.

Theta receives reputation and trust from our customers for its sensors' high accuracy, stability and durability in extreme weather conditions.

Theta Instruments is headquartered in Shenzhen, China with global business reach in Asia, USA, EU and Russia.

3-AXIS ULTRASONIC ANEMOMETER AR300

AR300 is a precision 3-Axis ultrasonic anemometer offering 3-Axis measure wind speed and direction, providing digital outputs for U, V, and W vectors.

AR300 is designed for scientific research applications with an asymmetric sensor head configuration,which allows for more accurate measurement of horizontal flows with minimum interuption of the prevalling wind.

FEATURES

- Stainless steel materials
- No moving parts and maintenance-free
- Easy to install and integrate
- High accuracy
- Optional analog signal output
- Configurable data output

GENERAL INFORMATION

IP Class	IP66
Dimensions(HxΦ)	720 mm x 240 mm
Weight	3.2Kg
Analog outputs	4 … 20 mA,1 … 5V
Interface-Default	RS-485
-Configurable at Factory on Order	RS232/SDI-12/RS422
Protocol-Default	THETA ASCII
-Configurable at Factory on Order	Modbus-rtu/SDI-12/NMEA-0183
Power	18mA@ 12VDC
Operating voltage	12 … 30VDC
Operating temperature	-40 … +70℃
Operating humidity	5% … 100%RH

TECHNICAL DATA

Wind Speed

Principle	Ultrasonic
Measurement range	0 … 60m/s
Accuracy	±0.3 m/s or 3% of reading, whichever is greater
Resolution	0.1m/s

Wind Direction

Principle	Ultrasonic
Measurement range	0 … 359.9°
Accuracy	±2°
Resolution	0.1°

ULTRASONIC ANEMOMETER AR200-FD

FEATURES

- IP66
- Aluminum alloy with teflon coating
- Low power consumption
- No moving parts and maintenance-free
- High accuracy
- Optional to remove heating function
- Optional to remove analog output

GENERAL INFORMATION

IP Class	IP66
Dimensions(HxΦ)	185 mm x 160 mm
Weight	1.2Kg
Analog outputs	4 … 20 mA or 1 … 5V
Interface-Default	RS-485
-Configurable at Factory on Order	RS232/SDI-12/RS422
Protocol-Default	THETA ASCII
-Configurable at Factory on Order	Modbus-rtu/SDI-12/NMEA-0183
Power-Unheated	11mA @12V DC
-Heated	10A @ 24VDC
Operating voltage-No Heating	12 … 30VDC
Operating temperature	-40 … +70ºC
Operating humidity	5% … 100%RH
Connector	8 Pin
Cable	PUR 5m(Default)

* Blue columns: 75m/s, white columns: 60m/s

AR200-FD Designed for wind power industry.

The AR200 ultrasonic anemometer series give precise and maintenance-free measurement of wind speed and wind direction. With its aluminium-alloy and teflon-coated housing, the AR200-FD is well-suited for use wind power industry. The AR200-FD and AR200 anemometers are also used for wind measurement applications in coastal and marine, container ports / wharves, electric power transmission stations, airports, bridge and tunnel and urban environment monitoring

TECHNICAL DATA

Wind Speed

Principle	Ultrasonic
Measurement range	0 … 60m/s; 0 … 75m/s
Accuracy	0-60 m/s: ±0.3 m/s or 3% of reading, whichever is greater; 60-75 m/s: 5% of reading
Resolution	0.1m/s

Wind Direction

Principle	Ultrasonic
Measurement range	0 … 359.9°
Accuracy	±3°

ULTRASONIC ANEMOMETER AR200

GENERAL INFORMATION

IP Class	IP66
Dimensions(HxΦ)	195 mm x 160 mm
Weight	1.1Kg
Interface-Default	RS-485
-Configurable at Factory on Order	RS232/SDI-12/RS422
Protocol-Default	THETA ASCII
-Configurable at Factory on Order	Modbus-rtu/SDI-12/NMEA-0183
Power	11mA @12V DC
Operating voltage	12 … 30VDC
Operating temperature	-40 … +70ºC
Operating humidity	5% … 100%RH
Connector	4 Pin
Cable	PUR 5m

TECHNICAL DATA

Wind Speed

Principle	Ultrasonic
Measurement range	0 … 60m/s
Accuracy	±0.3 m/s or 3% of reading, whichever is greater
Resolution	0.1m/s

Wind Direction

Principle	Ultrasonic
Measurement range	0 … 359.9°
Accuracy	±3°
Resolution	0.1°

FEATURES

- IP66
- Aluminum alloy with teflon coating
- Low power Consumption
- No moving parts and maintenance-free
- High accuracy
- Unheated

MP SERIES COMPACT WEATHER STATION

The MP Series Compact Weather Sensors are designed for robust and maintenance-free measurements in hydrology, meteorology and weather-critical applications where durability, precision and operations in different climatic conditions are expected.

BENEFITS/FEATURES

- Compact design
- Aluminum alloy with Teflon coating
- All-in-one weather measurements
- Choice of parameters to suit required applications
- Rainfall measurements by photoelectric or piezoelectric technique
- Built-in data pre-processing capability
- Universal interface and selectable output protocols
- Ease of use, install and integrate into 3rd party systems
- Low power consumption
- Options for analog outputs and heating

TYPICAL APPLICATIONS

- Road and traffic control systems
- Bridges & tunnels
- Photovoltaic farms
- Chemical industrial area
- Smart Cities
- Building automation
- Railway
- Airport
- Container terminals

MP SERIES

MP-500

MEASURES:

wind speed
wind direction
temperature
relative humidity
air pressure

Dimensions: H308xΦ160mm
Weight: 1.4kg
Power: 12mA @12V DC

MP-600

MEASURES:

wind speed
wind direction
temperature
relative humidity
air pressure
rainfall (piezoelectricity)

Dimensions: H318xΦ160mm
Weight: 1.4kg
Power: 17mA @12V DC

MP-601

MEASURES:

wind speed
wind direction
temperature
relative humidity
air pressure
rainfall (photoelectricity)

Dimensions: H350xΦ160mm
Weight: 1.5kg
Power: 30-45mA @12V DC

MP-650

MEASURES:

wind speed
wind direction
temperature
relative humidity
air pressure
solar radiation

Dimensions: H333xΦ160mm
Weight: 1.4kg
Power: 18mA @12V DC

General Conditions

IP Class	IP66
Analog outputs(Option)	4 … 20 mA or 1 … 5V
Interface-Default	RS-485
-Configurable at Factory on Order	RS232/SDI-12/RS422
Protocol-Default	THETA ASCII
-Configurable at Factory on Order	Modbus-rtu/SDI-12/NMEA-0183
Operating voltage	12 … 30VDC
Operating temperature	-40 … +70°C
Operating humidity	5% … 100%RH
Connector	4 Pin
Cable	PUR 5m

Wind Speed

Principle	Ultrasonic
Measurement range	0 … 60m/s
Accuracy	±0.3 m/s or 3% of reading, whichever is greater
Resolution	0.1m/s

Wind Direction

Principle	Ultrasonic
Measurement range	0 … 359.9°
Accuracy	±3°
Resolution	0.1°

Temperature

Principle	Diode voltage
Measurement Range	-40 … +80 °C
Accuracy	±0.5°C
Resolution	0.1 °C

Relative Humidity

Principle	Capacitive
Measutement range	0 … 100 %RH
Accuracy	±3%RH
Resolution	0.1 %RH

Air Pressure

Principle	Piezoresistor
Measurement range	10 … 1100 hPa
Accuracy	±0.5 hPa
Resolution	0.1 hPa

Rainfall

Principle	Piezoelectricity
Measurement range	0 … 200 mm/h
Accuracy	±5%
Resolution	0.1 mm/h

Rainfall

Principle	Photoelectricity
Measurement range	0 … 400 mm/h
Accuracy	±5%
Resolution	0.1 mm/h

Solar Radiation

Principle	Photoelectric
Spectral range	300 … 2100 nm
Measurement range	0 … 2000 W/m²
Non-linear error	≤3%
Accuracy	±5%
Resolution	1 W/m²

MP-700

The MP700 sensor is designed to meet customer's requirement with a combined measurement of solar radiation and rainfall in addition to measurements for wind speed and direction, temperature, relative humidity and air pressure. MP-700 power consumption is 34mA @ 12VDC.

SOLAR RADIATION MPS100

FEATURES ///////////////////

- Compact design
- Easy to install
- Fast response, Less than 5s
- No moving parts for maintaince-free
- Optional analog signal output

MPS100 Solar Radiation based in photoelectric effection to measure the solar radiation, with dome structure design to maximize the measurement of solar radiation intensity and protect the sensor.

MPS100 is widely used in solar power industry and other research applications.

GENERAL INFORMATION

IP Class	IP66
Dimensions(HxΦ)	107 mm x 115 mm
Weight	0.2 Kg
Interface-Default	RS-485
-Configurable at Factory on Order	RS232/SDI-12/RS422
Protocol-Default	THETA ASCII
-Configurable at Factory on Order	Modbus-rtu/SDI-12/NMEA-0183
Power	5mA@ 12VDC
Operating voltage	12 … 30VDC
Operating temperature	-40 … +70℃
Operating humidity	5% … 100%RH
Connector	4 Pin
Cable	PUR 5m

TECHNICAL DATA

Principle	Photoelectric
SpectralRange	300 ... 2100 nm
Measurement range	0 ... 2000 W/m^2
Non-linear error	≤3%
Accuracy	±5%
Resolution	1 W/m^2

RAIN GAUGE MPR100/MPR101 //

MPR100

MEASURES:

Rainfall (Piezoelectricity)

Dimensions: H100xΦ115mm
Weight: 0.3 kg
Power: 5mA @12V DC

MPR101

MEASURES:

Rainfall (Photoelectricity)

Dimensions: H130xΦ115mm
Weight: 0.3 kg
Power: 44mA @12V DC

FEATURES //

- Measures rainfall using piezoelectricity or
  photoelectricity principles
- No moving parts
- Can output minute, hour, day of rainfall
- Maintenance free
- No on-site calibration required
- Analog output is optional

GENERAL INFORMATION

IP Class	IP66
Dimensions(HxΦ)	100/130 mm x 115 mm
Weight	0.3 Kg
IInterface-Default	RS-485
-Configurable at Factory on Order	RS232/SDI-12/RS422
Protocol-Default	THETA ASCII
-Configurable at Factory on Order	Modbus-rtu/SDI-12/NMEA-0183
Power	5/44mA@ 12VDC
Operating voltage	12 … 30VDC
Operating temperature	-40 … +70℃
Operating humidity	5% … 100%RH
Connector	4 Pin
Cable	PUR 5m

TECHNICAL DATA

Measurement Range	0 … 200 mm/h (Piezoelectricity)
	0 … 400 mm/h (Photoelectricity)
Accuracy	±5%
Resolution	0.1 mm/h

WS SERIES COMPACT WEATHER STATION

The WS Series of compact weather sensors are designed and developed with corrosion-resistant polycarbonate materials, with a solid structure for use in weather monitoring in power transmission stations, agro-meteorology, urban environmental monitoring.

The WS sensors are maintenance-free with no moving parts, light-weight and cost-effective for its durable measuring performance. User's selectable choice of parameters to suit required applications. With its built-in data pre-processing capability and universal interface and selectable output protocols, make the sensors easy to use, install and integrate into 3rd party systems. Option for analog outputs is available.

WS SERIES COMPACT WEATHER STATION

WS-200

MEASURES:

wind speed
wind direction

Dimensions:
H152xΦ126mm
Weight: 0.4kg
Power: 11mA @12V DC

WS-500

MEASURES:

wind speed
wind direction
temperature
relative humidity
air pressure

Dimensions:
H208xΦ126mm
Weight: 0.5kg
Power: 12mA @12V DC

WS-600

MEASURES:

wind speed
wind direction
temperature
relative humidity
air pressure
rainfall (Piezoelectricity)

Dimensions:
H218xΦ126mm
Weight: 0.6kg
Power: 17mA @12V DC

WS-601

MEASURES:

wind speed
wind direction
temperature
relative humidity
air pressure
rainfall (Photoelectricity)

Dimensions:
H245xΦ126mm
Weight: 0.6kg
Power: 30mA @12V DC

WS-650

MEASURES:

wind speed
wind direction
temperature
relative humidity
air pressure
solar radiation

Dimensions:
H218xΦ126mm
Weight: 0.6kg
Power: 18mA @12V DC

General Conditions

IP Class	IP66
Analog outputs(Option)	4 … 20 mA or 1 … 5V
Interface-Default	RS-485
-Configurable at Factory on Order	RS232/SDI-12/RS422
Protocol-Default	THETA ASCII
-Configurable at Factory on Order	Modbus-rtu/SDI-12/NMEA-0183
Operating voltage	12 … 30VDC
Operating temperature	-40 … +70ºC
Operating humidity	5% … 100%RH
Connector	4 Pin
Cable	PUR 5m

Wind Speed

Principle	Ultrasonic
Measurement range	0 … 45m/s
Accuracy	±0.3 m/s or 3% of reading, whichever is greater
Resolution	0.1m/s

Wind Direction

Principle	Ultrasonic
Measurement range	0 … 359.9°
Accuracy	±3°
Resolution	0.1°

Temperature

Principle	Diode voltage
Measurement Range	-40 ... +80 °C
Accuracy	±0.5°C
Resolution	0.1 °C

Relative Humidity

Principle	Capacitive
Measutement Range	0 ... 100 %RH
Accuracy	±3%RH
Resolution	0.1 %RH

Air Pressure

Principle	Piezoresistor
Measurement range	10 ... 1100 hPa
Accuracy	±0.5 hPa
Resolution	0.1 hPa

Rainfall

Principle	Piezoelectricity
Measurement range	0 ... 200 mm/h
Accuracy	±5%
Resolution	0.1 mm/h

Rainfall

Principle	Photoelectricity
Measurement range	0 ... 400 mm/h
Accuracy	±5%
Resolution	0.1 mm/h

Solar Radiation

Principle	Photoelectric
SpectralRange	300 ... 2100 nm
Measurement range	0 ... 2000 W/m²
Non-linear error	≤3%
Accuracy	±5%
Resolution	1 W/m²

AIR QUALITY + WEATHER IN ONE STATION

AQS Micro Air Quality Monitoring Station is designed to include weather and air quality, suitable for environment monitoring grid.
Air quality including PM2.5, PM10, noise, gas parameters such as CO, NO, NO2, SO2, O3, H2S and volatile gas TVOC.
Meteorological parameters such as wind speed, temperature, humidity and rainfall.
The equipment is built with module for flexible configuration, which is small in size and low cost, suitale for grid distribution requirements such as urban smart street lamp, urban environmental monitoring stations, campuses and research institutions.

FEATURES ///////////////////////////////

- Monitors weather and air quality at the same time
- Aluminium alloy with teflon coating
- Compact design
- No moving parts
- Easy to install and dismount
- Compatible to multiple outputs
- Low power consumption
- Maintenance-free

MODEL SELECTION

5 meteorology parameters: wind speed, wind direction, temperature, relative humidity, air pressure
4 gas: CO、NO2、SO2、O3
* Parameters are customizable to actual application.

Model	4 gas	PM2.5/PM10	Noise	VOC	Rainfall / Solar Radiation	5 Meteorology Parameters
AQS100		√	√	√		
AQS200	√					
AQS-PRO	√	√	√	√		
AWS100		√	√	√	√	√
AWS200	√				√	√
AWS-PRO	√	√	√	√	√	√

General Conditions

IP Class	IP66
Dimensions(HxΦ)	250x138mm(AQS) / 410x160mm(AWS)
Weight	1.6kg(AQS) / 2.7kg(AWS)
Power	100mA @12V DC(AQS) / 170mA @12V DC(AWS)
Digital outputs(RS-485)	Baud rate 9600(Default)
Operating voltage	12 … 30VDC
Operating temperature	-40 … +70oC
Operating humidity	5% … 100%RH
Connector	4 Pin
Cable	PUR 5m

Wind Speed

Principle	Ultrasonic
Measurement range	0 … 60m/s
Accuracy	±0.3 m/s or 3% of reading, whichever is greater
Resolution	0.1m/s

Wind Direction

Principle	Ultrasonic
Measurement range	0 … 359.9°
Accuracy	±3°
Resolution	0.1°

Temperature

Principle	Diode voltage
Measurement Range	-40 ... +80 °C
Accuracy	±0.5°C
Resolution	0.1 °C

Relative Humidity

Principle	Capacitive
Measutement Range	0 ... 100 %RH
Accuracy	±3%RH
Resolution	0.1 %RH

Air Pressure

Principle	Piezoresistor
Measurement range	10 ... 1100 hPa
Accuracy	±0.5 hPa
Resolution	0.1 hPa

Rainfall

Principle	Piezoelectricity / Photoelectricity
Measurement range - Piezo	0 ... 200 mm/h
- Photo	0 ... 400 mm/h
Accuracy	±5%

Solar Radiation

Principle	Photoelectric
SpectralRange	300 ... 2100 nm
Measurement range	0 ... 2000 W/m^2
Non-linear error	≤3%
Accuracy	±5%
Resolution	1 W/m^2

CO

Principle	Electrochemistry
Measurement range	0 … 1000ppm
Accuracy	±0.02ppm
Resolution	0.01ppm

NO$_2$

Principle	Electrochemistry
Measurement range	0 … 20ppm
Accuracy	±0.001ppm
Resolution	0.001ppm

SO$_2$

Principle	Electrochemistry
Measurement range	0 … 100ppm
Accuracy	±0.002ppm
Resolution	0.001ppm

O$_3$

Principle	Electrochemistry
Measurement range	0 … 20ppm
Accuracy	±0.01ppm
Resolution	0.005ppm

CO$_2$

Principle	Electrochemistry
Measurement range	0 … 5000ppm
Accuracy	±75ppm
Resolution	1ppm

PM2.5

Principle	Laser scattering
Measurement range	0 … 1000ug/m^3
Accuracy	±10%
Resolution	0.3ug/m^3

PM10

Principle	Laser scattering
Measurement range	0 … 1000ug/m^3
Accuracy	±10%
Resolution	0.3ug/m^3

TVOC

Principle	Electrochemistry
Measurement range	0 … 1000ppb
Accuracy	±25ppb
Resolution	1ppb

Noise

Principle	Piezoelectric
Measurement range	30 … 130db
Accuracy	±3%
Resolution	0.1db

MPA AGRICULTURAL WEATHER STATION

MPA agricultural weather station integrates air temperature sensor,air humidity sensor,soil moisture sensor,foliar humidity sensor,light intensity sensor,rain gauge and other equipment,can be used to monitor the following meteorological parameters which significant impact on agricultural production: rainfall,relative humidity,temperature, light intensity,and leaf surface moisture and soil moisture.

HARDWARE DESCRIPTION

Solar power supply is adopted. The power supply system includes monocrystalline silicon solar panel, charging controller and 12v battery .

The case is made of SUS304 stainless steel, acid and alkali resistance, corrosion resistance, protection grade IP67, impact grade IK08.

Professional mounting bracket: with base, screw fixed , compact and space-saving.

Temperature and rainfall sensor using the most advanced photoelectric induction technology, eliminate the environmental noise and dust interference;The wind speed and direction sensor adopts ultrasonic technology, which avoids the disadvantages of traditional mechanical sensor, suitable for unattended, remote monitoring application.

FEATURES

- Display summary in different forms such as line chart, histogram and data list.
- Low power consumption, full netcom, compatible with iot CARDS and 4G/3G/GPRS communication.Station upload data to the server automatically,and the clients can get it with PC terminal, mobile APP in different forms, convenient and practical.
  The parameters of wetting time on the surface of crop leaves were increased, which became an important reference for the prevalence of disease in the absence of obvious rainfall.
- Weather forecasts can be made for the next 7-15 days.
- Automatically displays the summary history results list, which is the summary of the real-time collection results in the past.

PRACTICAL APPLICATION

Litchi orchard

Rice field

PC

Cloud Server

Cornfield

Orchard

Mobile
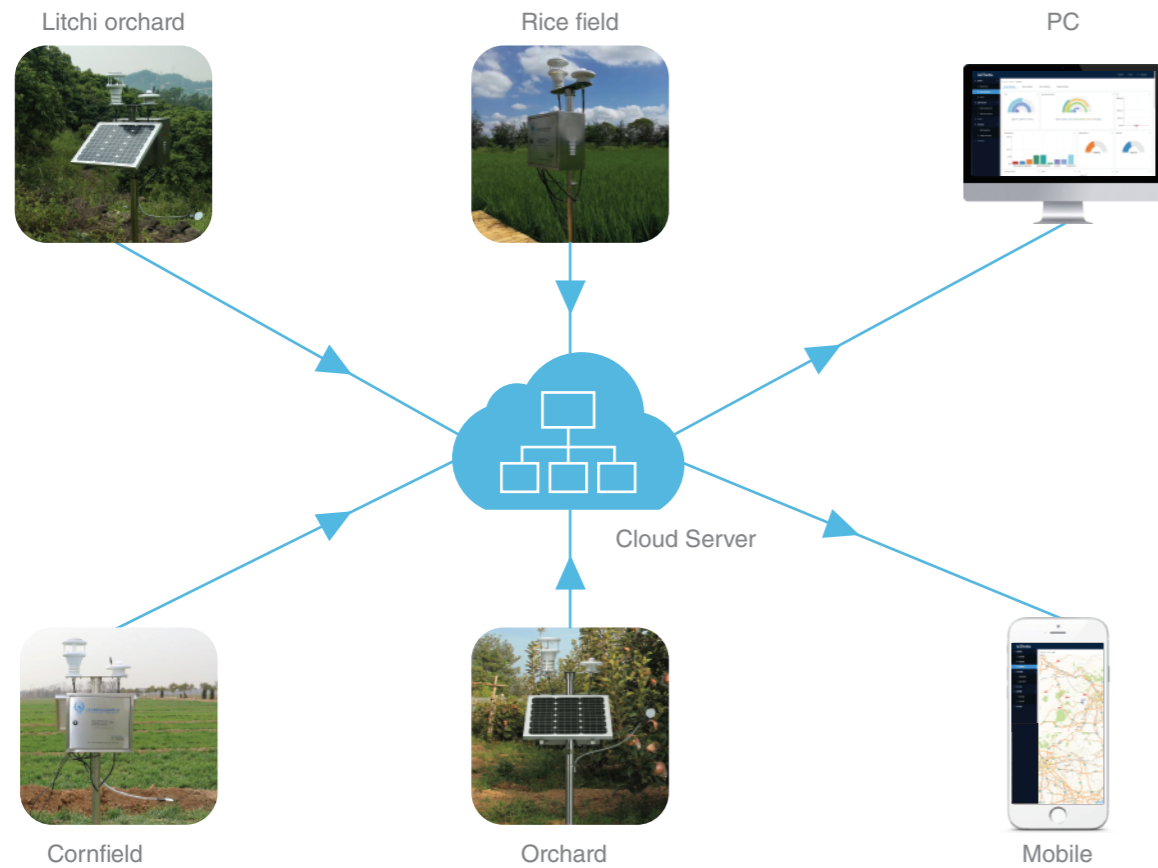
GENERAL INFORMATION

Height	1.5m	Weight	60kg
Diameter	55mm	Battery capacity	12V20A
Pedstal size	195 x 195mm	Solar panel	30W
Top pedstal size	118 x 345mm	Power	10mA
Hours of service	Can work for more than 30 days in continuous overcast and rainy environment.		
Operating temperature range			-30℃~80℃

TECHNICAL DATA

Parameter	Measure range	Measurement Accuracy	Resolution
Wind Speed	0 ～ 60m/s	±0.3m/s or 3%	0.1m/s
Wind direction	0 ～ 360°	±2°	0.1°
Temperature	-40 ～ 50℃	±0.2℃	0.1℃
Humidity	0 ～ 100%	±2% RH	0.10%
Dew Point Temperature	-40 ～ 50℃	±0.2℃	0.1℃
Sunshine Duration	0 ～ 24h	±0.1h	0.1h
Rainfall	0 ～ 400mm/h	±5%	
Soil Temperature	-50 ～ 80℃	±0.5℃	0.1℃
Soil Humidity	0 ～ 100%	±3%	1%
Soil EC Value	0 ～ 19.9ms/cm	±0.1 ms/cm	0.1 ms/cm

ioTHETA PLATFORM

▶ OUR ADVANTAGE

Framework
Quick access, intelligent networking, bring IOT into you life.

Hardware
Wireless connection, infinte imagination, adaptable to multiple scenarios.

Software
Powerful,easy to use, real-time monitor and manage device status.

Expertise & Experiences
10+ years focus in industry, continuous innovation, trustworthy.
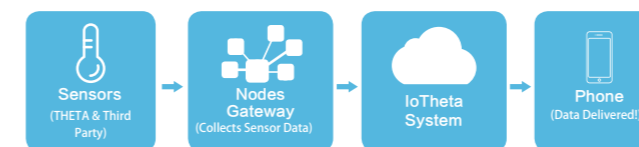
▶ SYSTEM OVERVIEW

What ioTheta does?

Did you expect an assistant patrolling and tells you status in your field? ioTheta system can help you deploy agricultural/industrial/meteorological/gas/particulate sensors to almost anywhere you want to monitor. you can adjust sensor type and deployment area, use ioTheta apps (Android/iOS) or PC web page to manage devices and inspect changes happening in the field easily.

How ioTheta works?

- Sign up an account on ioTheta website
- Choose devices you need, either from Theta Instrument or 3rd party suppliers
- Install devices to NODE, each NODE can load maximum 4 devices
- Install GATEWAY and connect with NODEs, each
- GATEWAY can link to maximum 20 NODEs
- Safe and reliable IOT network is setup with GATEWAY,
- NODEs and devices, data collected will be transferred to ioTheta cloud
- Manage your instruments, alarms, teams, reports with ioTheta and it's apps to save your time

Sensors
(THETA & Third Party)

Nodes Gateway
(Collects Sensor Data)

IoTheta System

Phone
(Data Delivered!)

GATEWAY

GATEWAY collects data from NODEs and send to ioTheta cloud with safe network. You can use smartphone or PC to manage and monitor these data and run reports.

GATEWAY also receives commands from ioTheta cloud and control NODEs and devices to complete jobs assigned from you such as automatic watering.

GATEWAY module has excellent weather resistance to ensure stability

Features

• Low power consumption with solar power system
  Support max 20 NODES with 80 sensors
• Support multiple connections, e.g. cellular, WIFI, WLAN
• Developed based on LORA technology, safe and reliable
• Communication range of GATEWAY and NODEs max to
• 10KM, one GATEWAY can cover multiple areas

NODE

NODEs are mounted with sensors, receive data from them
and transit to GATEWAY via LORA network.
NODEs also receive commands from GATEWAY and control
sensors to finish assigned tasks such as auto watering
NODEs module has excellent weather resistance to ensure
reliability.

Features

• Low power consumption with solar power system
  Support max 4 sensors
• Developed based on LORA technology, safe and reliable
• Communication range of GATEWAY and NODEs up to
• 10KM, NODEs could link to GATEWAY anywhere within
  the range
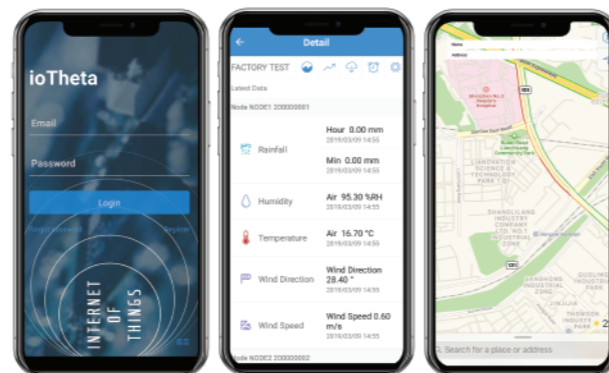• Compatible with various sensors, and customizable

APP

Use Android/iOS Apps on smartphone to see your data and
devices anywhere anytime
Visual management to your devices and team

What to do with ioTheta App

• Manage devices, edit device information
• Monitor, check your current or historical data anytime,
  configure items to monitor
• Alarm, set alarm condition
• Manage team, add/delete sub-accounts, allocate devices
  and authorize to sub-accounts

PC

It's easy to check your data by logging in
https://www.ioTheta.com/account with PC
Latest data, device information and status are shown on the
website, you can also see reports and customize the
graphics shown
Historical data is stored longest for 1 year for your record

What to do with website

• Manage devices, edit device information
• Monitor, check your current or historical data anytime,
  configure items to monitor
• Alarm, set alarm condition
• Manage team, add/delete sub-accounts, allocate devices
  and authorize to sub-accounts

● VARIETY OF SENSORS CONNECTIVITY

Easy to layout your sensors network

Ultrasonic Wind Speed/Direction	Soil Moisture	Flow Meters
Temperature	Soil Temperature	Water Level
Temperature/Humidity	Soil Salinity	Particle
Rainfaill	Solar Radiation	Visibility
Leaf Wetness	Pressure Transducers	Dew-point

Windspeed Wind direction Temperature Humidity Pressure Light Rainfall

Particulate matter leaf wetness Flow meter Water level Soil temperature Soil salinity Soil moisture