

Intellia Ultrasonic Sensor - Sensor Air pressure Temperature Humidity Rain Light Intensity Sensor



Product Details

Model Number : INT- 501

Theory : Ultrasonic Sensor

Type : Water Proof

Protocol : ASCII, Hexadecimal, Modbus

Apperance : Metal

Interface : RS232 / RS485

Brand Name : Intellia Ultra Sensor

Usage : Meterological Parameters Monitoring

Output : Digital Sensor

Application: Meteorologica monitoring

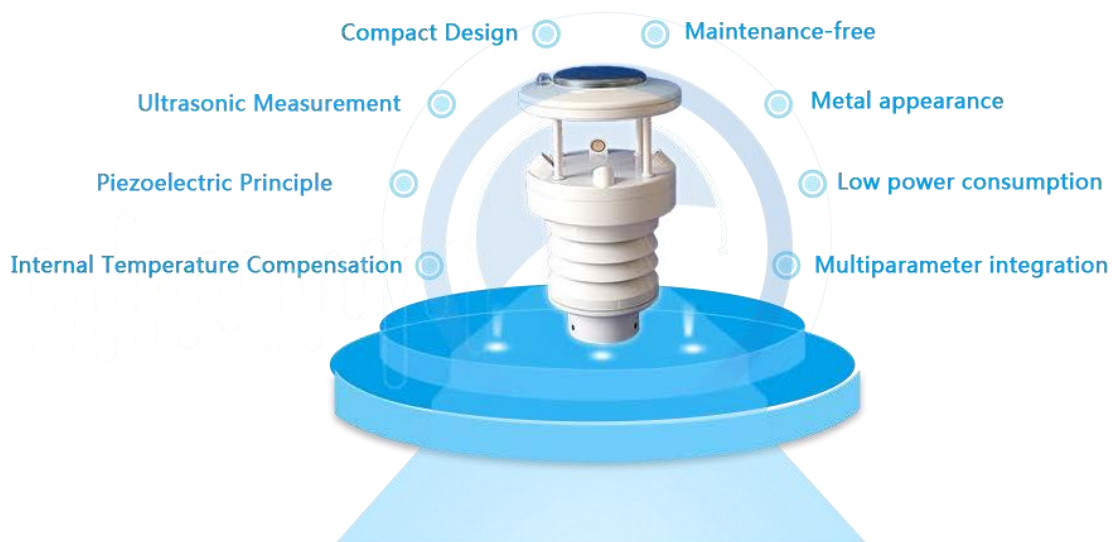
Dimension : 16cm*16cm*26.3cm

Colour : White

Biz4intellia is dedicated to industrialization of newly developed ultrasonic weather sensors. The core technologies for all sensor products and equipments are of its Independent Intellectual Property Right.

Intellia Ultra Sensor is certified under ISO9000 for quality Control System and Explosion-proof Certificate issued by CNEX.

Description



INT- 501 seven-element meteorological sensor is multi-functional meteorological sensor developed by our company based on years of experience in meteorological product development and the actual situation on site. The sensor integrates seven meteorological elements such as wind speed & direction, rainfall, temperature, humidity, atmospheric pressure and solar radiation. The sensor has low power consumption and can be equipped with a solar charging board for mobile weather monitoring.

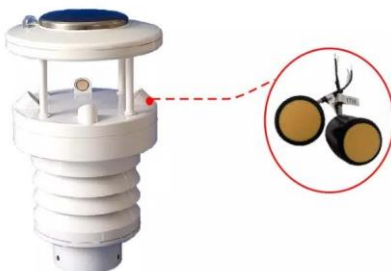
Technical Details

Model	INT-501 Sensor
Measurement parameters	Wind speed & direction, pressure, temperature, RH, rainfall, light
Type	Ultrasonic
Power supply	12...24VDC
Operating temperature	-40 ... +85 °C (-40 ... +185°F)
Relative humidity	0 ... 100 %RH
Pressure	10 ... 1100 hPa
Power consumption	8...15mA at 12VDC
Interface	RS232/RS485
Communication protocols	ASCII, Hexadecimal and Customized
Dimension	16cm *16cm*29cm
Wind Measurement Performance	
Wind speed	
Observation range	0 ... 60 m/s
Response time	0.25 s
Accuracy	±3 % at 10 m/s
Output resolution	0.1 m/s
Wind direction	
Azimuth	0 ... 360°
Response time	0.25 s
Accuracy	±3 % at 10 m/s
Output resolution	0. 1°
Air Temperature Measurement Performance	
Observation range	-40 ... +85 °C (-40 ... +185°F)
Accuracy	±0.3 °C (±0.5 °F)
Output resolution	0.1 °C (0.1 °F)
Relative Humidity Measurement Performance	
Observation range	0 ... 100 %RH
Accuracy	±3 %RH
Output resolution	0.1 %RH
Barometric Pressure Measurement Performance	
Observation range	10~1100hPa

Accuracy	±0.5hPa
Output resolution	0.1hPa
Light intensity Measurement Performance	
Observation range	0-200000LUX
Output resolution	0.01LUX
Accuracy	5%

Advantages

01. Imported probe—Reliable quality & High accuracy
Ultrasonic wind speed & direction probes



02. Aluminium Alloy Shell
waterproof,dustproof,anti-interference,anti-corrosion,anti-electromagnetic radiation



03. Energy saving mode is adopted internally



04. Opened Interface

