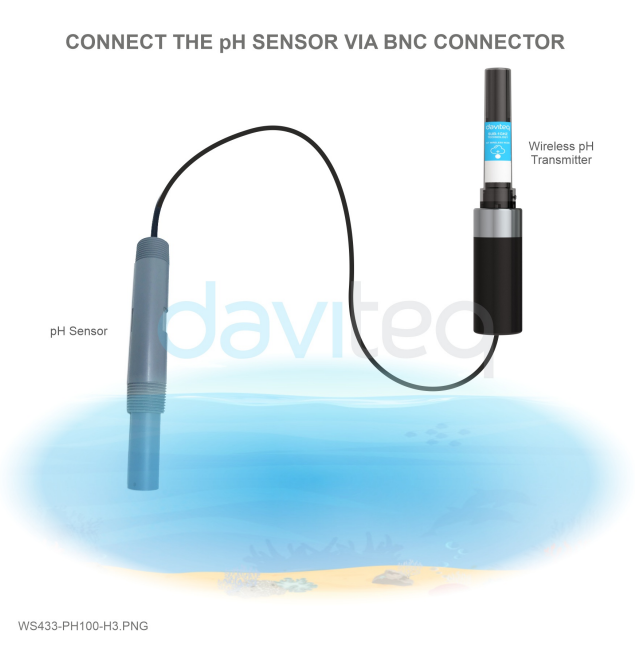
Wireless pH Transmitter WS433-PH100

SKU: WS433-PH100

Doc No: WS433-PH100-DS-EN-10



WS433-PH100-H1.PNG



WS433-PH100-H3.PNG

Introduction

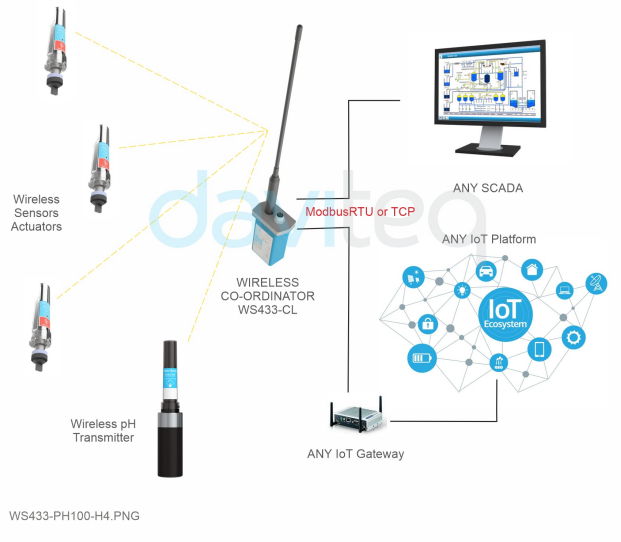
WS433-PH100 is a wireless pH transmitter, it can connects to any standard pH sensor, with or without temperature sensor. It can support various kind of temperature sensor like Pt100, Pt1000, Thermistor...The transmitter can be configured with fix temperature compensation or automatic temperature compensation. It will connect 2-way wirelessly to the wireless co-ordinator WS433-CL to send data and receiving the configuration. It can be configured the operation parameters like data sending interval, health check cycle...remotely from Globiots platform or via ModbusRTU software (thru the WS433-CL). Its default data rate is 50 kbps, can be switched to 625 bps to increase the communication range. The sensor can last up to 10 years with 1 x AA battery.

- BNC connector for pH sensor;
- Automatic or manual temperature compensation;
- High performance Sub-GHz Wireless communication;
- Ultra-low power with 10 years battery;
- Plug & Play.

Typical Applications

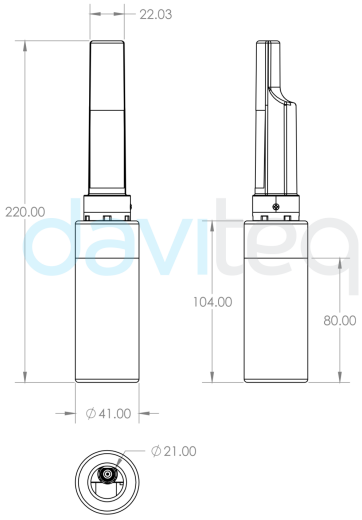
- Drinking water;
- Waste water;
- Industrial water;
- Aquaculture;
- Hydroponics...

CONNECT WIRELESS TRANSMITTER AND SENSORS TO any SCADA or IoT Platform



WS433-PH100-H4.PNG

DIMENSION DRAWING OF WS433-PH100
(Unit: mm)



WS433-PH100-H2.PNG

Specification

MEASUREMENT SPECIFICATION	
pH Sensor Input	pH sensor
pH Measuring range	pH 0 .. 14
Resolution	pH 0.1
Accuracy	+/- 0.1
Temperature Sensor Input	Pt100, Pt1000, Thermistor
Temperature measuring range	0 - 100 oC
Temperature resolution	0.1 oC
Working temperature	-40 .. 60 oC
pH Connector	BNC
Temperature Connector	Terminal block
WIRELESS SPECIFICATION	
Data speed	Up to 50kbps
Transmission distance, LOS	1000m
Antenna	Internal Antenna
Battery	1 x AA 1.5-3.6VDC, up to 10 years operation, depends on the configuration
Frequency Band	ISM 433MHz, Sub-GHz technology from Texas Instrument, USA
International Compliance	ETSI EN 300 220, EN 303 204 (Europe) FCC CFR47 Part15 (US), ARIB STD-T108 (Japan)
Vietnam Type Approval Certification	QCVN 73:2013/BTTTT, QCVN 96:2015/BTTTT (DAVITEQ B00122019)
Security Standard	AES-128
Operating temperature of PCB	-40oC..+60oC (with AA L91 Energizer)
Housing/Protection	Polycarbonate, POM, SUS304 / IP67
Mounting method	U-Bolt 42mm, SUS304
Dimension	H220xD41
Net weight	<500 grams

Ordering Code

Item code	Descriptions
WS433-PH100-01	WIRELESS PH TRANSMITTER 433MHZ, COMPATIBLE WITH ANY PH SENSOR PH 0-14 WITH **Pt100** TEMPERATURE SENSOR COMPENSATION, AA 1.5-3.6VDC BATTERY, IP67

WS433-PH100-02	WIRELESS PH TRANSMITTERT 433MHZ, COMPATIBLE WITH ANY PH SENSOR PH 0-14 WITH **Pt1000** TEMPERATURE SENSOR COMPENSATION, AA 1.5-3.6VDC BATTERY, IP67
PH-H087-0020	PH SENSOR COMBO, IN-LINE, 3/4NPT PH COMBO, IN-LINE, CPVC, 3/4"NPT, ASGV FLAT, PT100 OHM, DJ, AG/AGCL, GEL, CE, 20F CABLE, BNC & T

⚠ Link for full datasheet: https://filerun.daviteq.com/wl/?id=fMrBbgJaGbQS3QZPo5DPkjwpUQx5zcPK

⚠ Link for manual:

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