

WIRELESS SENSOR 0-20MA CURRENT INPUT



SKU: WS433-MA

0-20MA CURRENT INPUT WIRELESS SENSOR WS433-MA

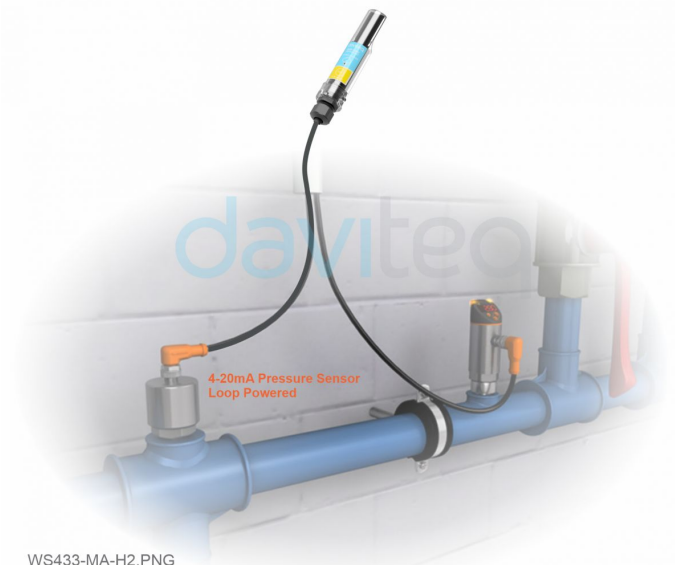


WS433-MA-H1.PNG

Wireless sensor with one channel to measure 0-20mA DC current from Process instruments like Pressure transmitter, Temperature transmitter, Level transmitter, Flow meters, Analyzers... at very low voltage drop. It is configured the operation parameters like data sending interval, health check cycle...remotely from Globiots platform or via ModbusRTU software. The wireless module can last up to 10 years with a single AA battery.

- ✓ **RELIABLE & SECURED WIRELESS CONNECTION**
Sub-Ghz technology from Texas Instruments allows reliable wireless connection and secured data by AES-128
- ✓ **10-YEAR WITH A SINGLE BATTERY**
Ultra-low power sensing technology from Daviteq with Ultra-low power wireless technology from Texas Instruments allow the sensor can last up to 10 years with a single battery AA.
- ✓ **LOW VOLTAGE DROP**
Only 3.0VDC voltage drop on the current loop
- ✓ **LONG RANGE TRANSMISSION**
Narrow Band techniques & Sub-Ghz technology allow long distance transmisison at lowest energy consumption

WIRELESS SENSOR CURRENT INPUT CONNECT WITH 4-20mA INSTRUMENTS



WS433-MA-H2.PNG

DAVITEQ TECHNOLOGIES INC

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JAN-2021 | Doc No: WS433-MA-DS-EN-10

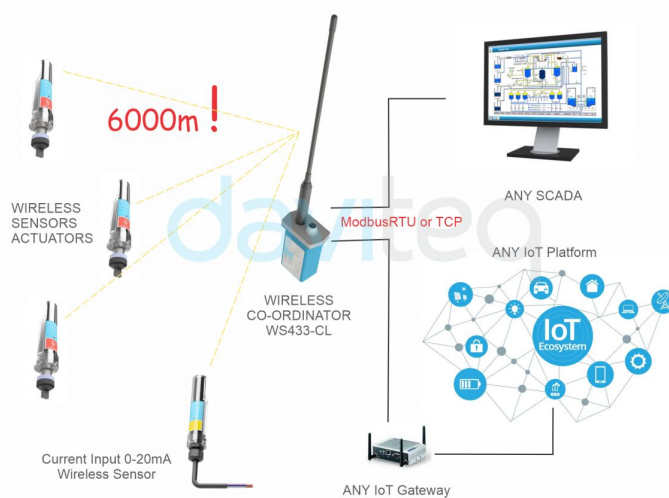
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SPECIFICATION

Measuring range	0 .. 20mA
Accuracy	0.05% of span
Resolution	1/3000
Temperature drift	< 50ppm
Electrical connection	shielded cable 0.5m length with PG9 cable gland
Optional accessories	304SS Adapter PG9/male 1/2"NPT or PG13.5 or M20 to allow direct mounting on Process instruments or electrical panel
Data speed	Up to 50kbps
Transmission distance, LOS	500m
Antenna	Internal Antenna, 3 dbi
Battery	01 x AA 1.5VDC, up to 10-year operation, depends on configuration
Frequency Band	ISM 433Mhz, Sub-GHz technology from Texas Instrument, USA
Receiving Sensitivity	-110dBm at 50kbps
International Compliance	ETSI EN 300 220, EN 303 204 (Europe) FCC CFR47 Part15 (US), ARIB STD-T108 (Japan)
Security Standard	AES-128
Operating temperature of PCB	-40oC..+60oC (with AA L91 Energizer)
Housing	Poly-carbonate, IP67
Installation method	L-type bracket SUS304 , by M4 screws or double-sided 3M tape (included)
Product dimensions	125x30x30mm
Net weight (without battery)	< 100g
Box dimension	190x50x50mm
Gross weight	140g

CONNECT WIRELESS SENSORS TO
any PLC or HMI

WS433-MA-H3.PNG

CONNECT WIRELESS SENSORS TO
any SCADA or IoT Platform

WS433-MA-H4.PNG

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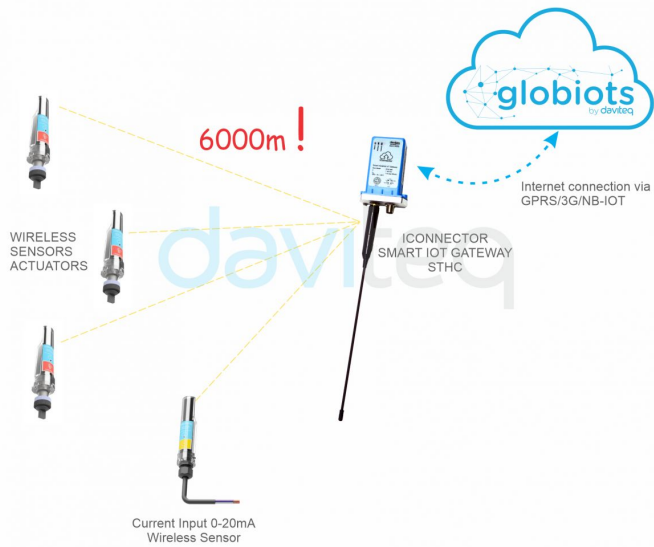
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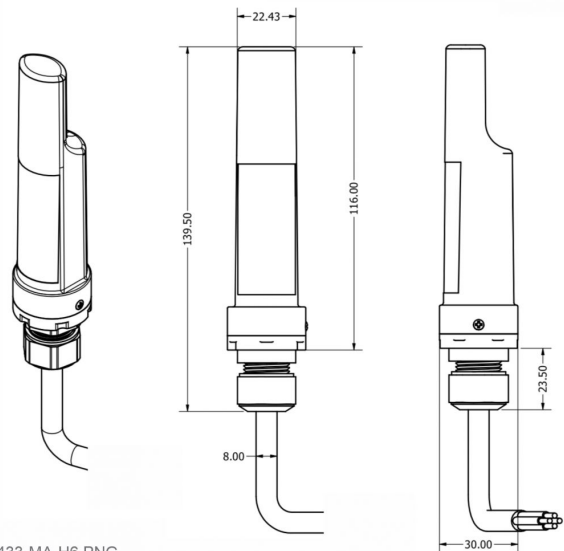
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CONNECT WIRELESS SENSORS TO GLOBIOTS Platform



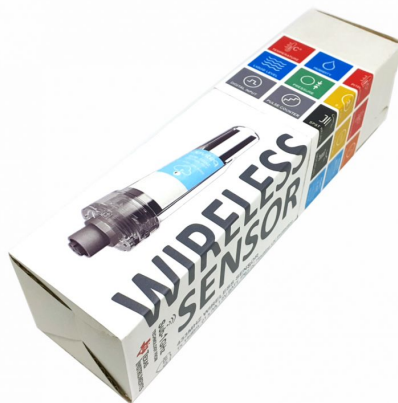
WS433-MA-H5.PNG

DIMENSION DRAWINGS OF WS433 SENSOR WITH CABLE OUTPUT



WS433-MA-H6.PNG

CARTON BOX OF WIRELESS SENSOR



SIZE: 50x50X190MM

WS433-MA-H7.PNG

RECOMMENDED BATTERIES FOR WIRELESS SENSOR WS433

E91 AA Alkaline battery



-18 .. + 60 oC working temperature

10-year shelf life

3000 mAh Capacity

Price: 1X

L91 AA Lithium battery



-40 .. + 60 oC working temperature

20-year shelf life

3500 mAh Capacity

Price: 3.5X

WS433-MA-H8.PNG

ORDERING INFORMATION

ITEM CODE	DESCRIPTIONS
WS433-MA-11	Wireless Sensor 1-channel 0-20mA DC current input, IP67, battery AA 1.5VDC, shielded cable 0.5m length with PG9 cable gland

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