

# OEM Wireless Sensor 0-3VDC Voltage Inputs



Smart Agriculture, Smart Building, Smart City, Smart Energy, Smart Facility, Smart Factory, Smart Farm, Smart Retail, Smart Utilities

SKU: WS433-VL

## OEM 0-3 VDC VOLTAGE INPUT WIRELESS SENSOR WS433-VL



WS433-VL-H1.PNG

Safe Zone

Hazardous Zones

OEM Wireless sensor with two channels to measure 0~3VDC voltage from OEM sensors, machines... 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.

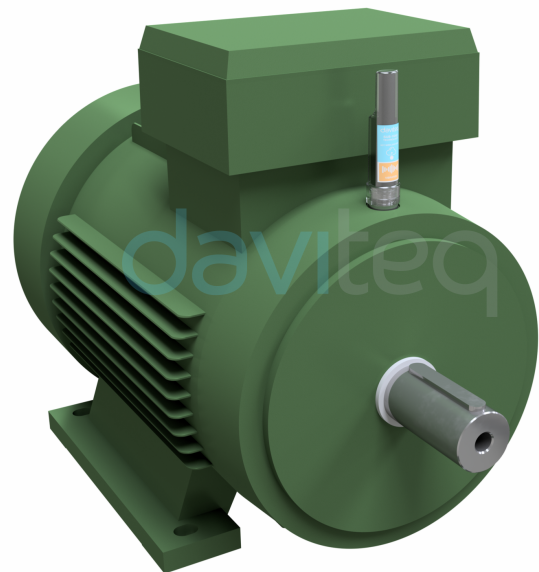
### Applications

Process Monitoring, Safety Monitoring

### Notes For Applications

- 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.
- Smart Power Supply for sensor**  
3.3VDC controlable power supply for sensor circuit
- Long range Transmission**  
Narrow Band techniques & Sub-Ghz technology allow long distance transmission at lowest energy consumption

## WIRELESS VIBRATION SENSOR INSTALLED ON ELECTRIC ENGINE/FAN



WS433-V1A-H2.PNG

### DAVITEQ TECHNOLOGIES INC

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Created date: Dec-21-2022


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## Specification

Measuring range	0~3VDC
Accuracy	0.05% of span
Resolution	1/3000
Temperature drift	< 50ppm
Power supply to sensor	3.3V max 5.0mA, controlable
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	-40~60°C (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

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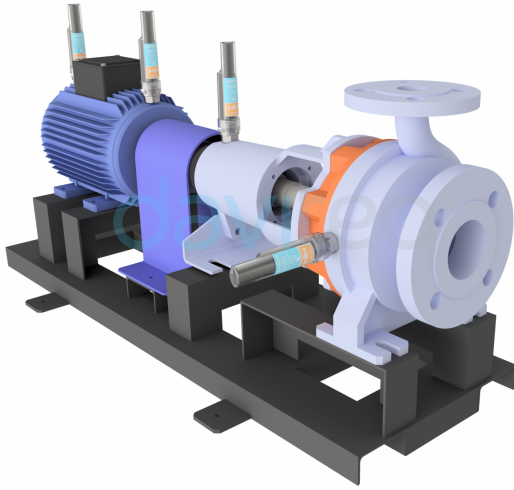
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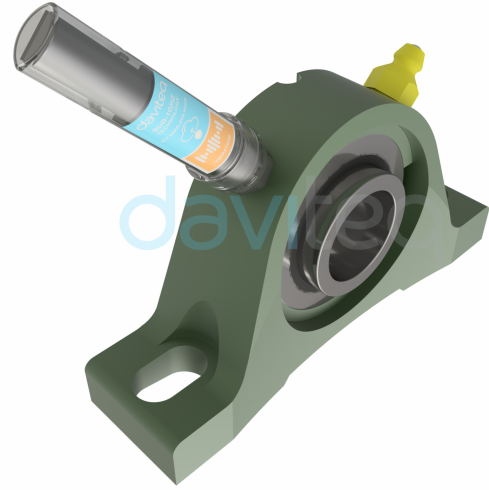
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WIRELESS VIBRATION SENSOR INSTALLED ON PUMP



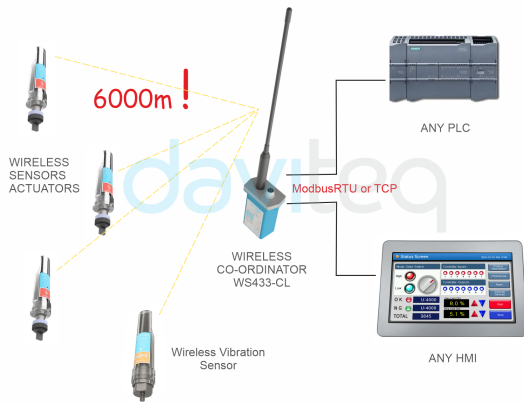
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WIRELESS VIBRATION SENSOR INSTALLED ON BEARING



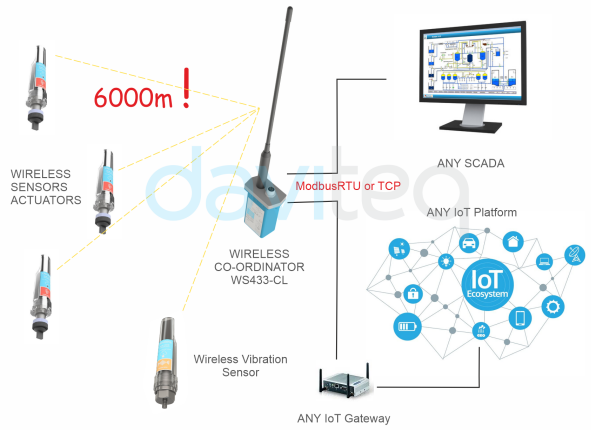
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CONNECT WIRELESS SENSORS TO any PLC or HMI



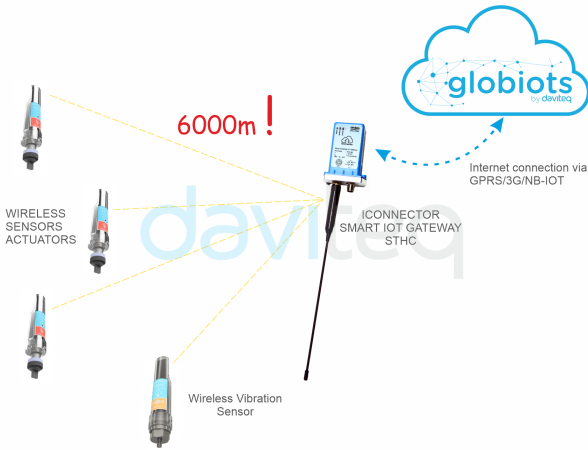
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CONNECT WIRELESS SENSORS TO any SCADA or IoT Platform



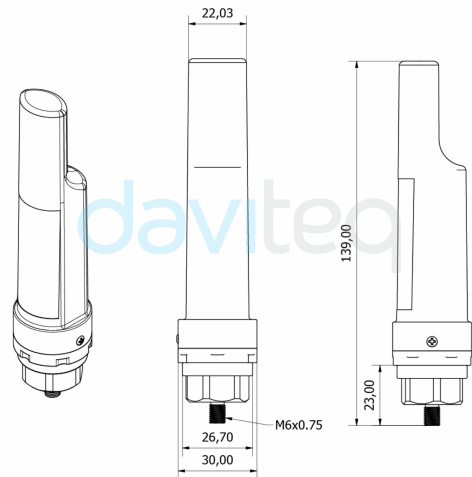
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CONNECT WIRELESS SENSORS TO GLOBIOTS Platform



WS433-V1A-H7.PNG

DIMENSIONS (Unit: mm)



WS433-V1A-H8.PNG

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## Ordering Information

ITEM CODE	DESCRIPTIONS
WS433-VL-12	OEM Wireless sensor with 2 channels 0~3VDC inputs, IP67, battery AA 1.5VDC, shielded cable 0.5m length with PG9 cable gland

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