DR3463 Wireless Pressure Transmitter

-LoRa/Lorawan

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Product description

DR3463 is an intelligent wireless pressure transmitter based on Lora/LoRaWAN protocol, which enable LoRaWAN transmission of measurement data. As a node, It can access to public or private LoRaWAN networks gateway. Because the features of long distance, low power and low cost connectivity, the Wireless transmitter is suitable for long-distance and long-term measurement of pressure. It also has a high-definition LCD display, users can easily read the measured values on the site.

Due to the rapid progress of LoRa communication technology, LoRa has been used more and more in the Internet of Things. We can provide LoRa-based pressure, level and temperature sensor, according to the international standards, customized development of LoRa frequency bands in different countries, CN470, AU915, US915, EU868, etc.

Application

- Petroleum, chemical,
- Mechanical engineering
- Process control and automation
- Hydrology and flow pressure measure
- Hydraulic pressure

Features

- LoRaWAN communication standard to allow sensor connect to any LoRaWAN Gateway on the market;
- Ultra-low power wireless technology allows the sensor can last up to 10 years with a ER34615 Li battery;
- IP66 rating for both indoor and outdoor applications;
- Easy programming, all parameters can easily be programmed on site;
- Support magnetic rod wake-up;

Specification

Measurement range	-0.1MPa---0MPa~0.01MPa---60MPa
Over pressure	200%FS(≤10MPa) or 150%FS(＞10MPa)
Pressure type	Gauge pressure, absolute pressure, sealed gauge pressure
Power supply	3.6VDC battery, DC12V/24V Power supply
Working current	Working current: <100mA; Standby state: < 10uA
Transmission distance	>2km
Transmission intervals	1 minute to 1440 minutes (can be set)
Shell material	Aluminum alloy
Sensor	316L
Sealing ring	Viton
Protection	IP66
Medium	A variety of fluids that are non-corrosive to 316L stainless steel and Viton
Compensated Temp.	0℃ ~ +60℃
Working temp.	-25℃ ~ +70℃

Storage Temp.	-20℃ ~ +70℃
Accuracy	±0.5%FS/±1%FS
Zero temp. coefficient	0.03%FS/℃ （≤100kPa） 0.02%FS/℃ （＞100kPa）
Full-scale temp. oefficient	0.03%FS/℃ （≤100kPa） 0.02%FS/℃ （＞100kPa）
Long term stability	±0.25%FS/Year