Wireless module for mV signal

The Wireless Value DLXac measures process signals and trans-mits data to the base station. Sensing is performed using available sensors/equipment with 0 - 1.000 mV RMS output. A practical example is the current clamp for measuring electric current and based on that estimated energy consumption, signalling whether equipment is on/off/full load/part load etc.

Overview

- Accurate and wireless sensing
- Battery lifetime up to 10 years
- Compatible with all WiSensys Base Stations
- 1.000 metre range (line of sight)

Applications

- Industrial

Specifications

- Ability to buffer 10.000 measurements
- Programmable measuring interval
- Attractive ABS enclosure
- Wall-mountable
- Easy to add sensors to operational system
- User-replaceable battery
- Unique network ID to avoid interference with other wireless systems

Sensor values are sent by the paired Base Station to:

- Wireless Value Online Portal (LAN of mobile provider)
- Wireless Value Online Portal (on premises)
- Modbus-network (IP or RS485)
- SensorGraph via serial interface or LAN

wirelessvalue

DLXac

Wireless module for mV signal

Technical specifications

Design	Wireless module
Type	Process signal
Sensor type	External
Measurement range	
Range	0 – 1000 mV RMS
Measurement accuracy	
Accuracy	+/- 0.25% of range
Resolution	1 mV
Input frequency	50 Hz – 1 kHz
Input impedance	1 MΩ
Overload protection	+10 mA
Measurement interval	Configurable between 1 second and 255 minutes, default 2 minutes
Operating limits	-20 °C to +80 °C
Power	1 AA 3.6V Lithium battery
Memory	10.000 measurements
Radio standard	EN 300 220
Frequency	868 - 870MHz
Range	1.000 m with free line of sight
Housing	IP65
Color	matt black
Dimensions	105(l) x 70(w) x 34(w) mm, excl. gland & wall mount
Weight	93g (excluding battery)
Configuration	SensorGraph or Wireless Value Online Portal
Legislation	RED, CE
Ordering options	
Housing options	no
External antenna	no
Pressure relief valve	no
External power supply	no