



Wireless module for V signal

The Wireless Value DLXm measures process signals and transmits data to the base station. Sensing is performed using any available sensor with 0 – 1 V DC output. This allows connection of numerous commercially available sensors to monitor a wide variety of measurement parameters such as flow, level, pressure etc. With the reference output of 2.45 V this sensor is also suitable for Strain Gauge measurement (load cells etc.).

Overview

- Accurate and wireless sensing
- 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
- Unique network ID to avoid interference with other wireless systems

Sensor values are sent by the paired Base Station to:

- WebSensys (LAN or mobile carrier)
- WebSensys (On premises)
- MODBUS network (IP or serial)
- SensorGraph via serial interface or LAN RS485/422

Wireless module for V signal

Technical specifications

Design	Wireless module		
Type	Process signal 0-1 V		
Sensor type	External		
Measurement range			
Range	1. 0 – 19 mV	5. 0 – 300 mV	
	2. 0 – 38 mV	6. 0 – 600 mV	
	3. 0 – 75 mV	7. 0 – 1000 mV	
	4. 0 – 150 mV		
Measurement accuracy			
Accuracy	+/- 0,1% of range +/- 1 resolution step		
Resolution	1. 0 – 19 mV; 1 μ V	5. 0 – 300 mV; 10 μ V	
	2. 0 – 38 mV; 1 μ V	6. 0 – 600 mV; 20 μ V	
	3. 0 – 75 mV; 5 μ V	7. 0 – 1000 mV; 40 μ V	
	4. 0 – 150 mV; 5 μ V		
Input impedance	100 K Ω		
Reference output	2,45 V (max 15 mA)		
Max strain gauge resistance	1K		
Overload protection	30 V		
Measurement interval (M)	Configurable between 1 second and 255 minutes, default 2 minutes		
Operating limits	-20 °C to +80 °C		
Power	External		
Memory	10.000 measurements		
Radio standard	EN 300 220		
Frequency	868 - 870MHz (915MHz where applicable)		
Range	1.000 m with free line of sight		
Housing	IP65		
Color	WiSensys® Blue/Green		
Dimensions	60(w) x 80(h) x 26(d) mm, excl. wall mount		
Weight	80 g (excluding battery)		
Configuration	SensorGraph or WebSensys		
Regulatory	R&TTE, CE		
Ordering options			
Housing options	Yes		
External antenna	Yes		
Pressure relief valve	Yes		
External power supply	Yes		

