

# Wireless module for mV 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.).

## Features

- Accurate and wireless sensing
- Battery lifetime up to 10 years
- Compatible with all Wireless Value 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:

- 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 R

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## Technical specifications

<b>Design</b>	Wireless module		
<b>Type</b>	Process signal 0-1 V		
<b>Sensor type</b>	External		
<b>Measurement range</b>			
<b>Range</b>	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		
<b>Measurement accuracy</b>			
<b>Accuracy</b>	+/- 0,1% of range +/- 1 resolution step		
<b>Resolution</b>	1. 0 – 19 mV; 1 $\mu$ V	5. 0 – 300 mV; 10 $\mu$ V	
	2. 0 – 38 mV; 1 $\mu$ V	6. 0 – 600 mV; 20 $\mu$ V	
	3. 0 – 75 mV; 5 $\mu$ V	7. 0 – 1000 mV; 40 $\mu$ V	
	4. 0 – 150 mV; 5 $\mu$ V		
<b>Input impedance</b>	100 K $\Omega$		
<b>Reference output</b>	2,45 V (max 15 mA)		
<b>Max strain gauge resistance</b>	1K		
<b>Overload protection</b>	30 V		
<b>Measurement interval (M)</b>	Configurable between 1 second and 255 minutes, default 2 minutes		
<b>Operating limits</b>	-20 °C to +80 °C		
<b>Power</b>	AA 3.6 V lithium battery or mains power supply if required		
<b>Memory</b>	10.000 measurements		
<b>Radio standard</b>	EN 300 220		
<b>Frequency</b>	868 - 870MHz		
<b>Range</b>	1.000 m with free line of sight		
<b>Housing</b>	IP65		
<b>Color</b>	matt black		
<b>Dimensions</b>	105(l) x 70(w) x 34(h) mm, excl. gland & wall mount		
<b>Weight</b>	93 g (excluding battery)		
<b>Configuration</b>	SensorGraph or Wireless value Online Portal		
<b>Legislation</b>	RED, CE		
<b>Ordering options</b>			
<b>Housing options</b>	no		
<b>External antenna</b>	no		
<b>Pressure relief valve</b>	no		
<b>External power supply</b>	no		

