Wireless module for process signal (0-1 V) (DLXm)



- Accurate wireless detection
- Battery life of over 6 years
- Compatible with all Wireless Value Base Stations
- Range 1,600 metres (clear line of sight)

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Description

DLXm

The Wireless Value DLXm measures process signals and sends this data to the Base Station. Detection is done using any available sensor with 0-1 V DC output. This allows a wide range of commercially available sensors to be connected for measuring all kinds of parameters such as flow rate, level, pressure, etc. With a reference output voltage of 2.54 V, this sensor can also be used for strain gauge measurements (load cells, etc.).

- Memory to store 10,000 measurements
- Adjustable measurement interval
- Attractive IP65 ABS enclosure
- Suitable for wall mounting
- Existing system can easily be expanded with additional sensors
- Battery replaceable by user
- Unique network ID to avoid interference with other wireless systems

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Specifications

General

Battery type	AA
External power supply	Optional
Colour	Matte black
Battery life	Over 6 years
Model	Wireless module
Type	Process signal 0-1 V

Measurement range

Operating limits	-20°C to +80°C
Analogue	1. 0–19 mV. 2. 0–38 mV. 3. 0–75 mV. 4. 0–150 mV. 5. 0–300 mV. 6. 0–600 mV. 7. 0–1000 mV.
Max. strain gauge resistance	1K
Signal range	1,600 metres in clear line of sight

Measurement accuracy

Analogue	+/- 0.1% of range +/- 1 resolution step

Measurement resolution

Analogue	1. 0–19 mV; 1 µV. 2. 0–38 mV; 1 µV. 3. 0–75 mV; 5 µV. 4. 0–150 mV; 5 µV. 5. 0–300 mV; 10 µV. 6. 0–600 mV; 20 µV. 7. 0–1000 mV; 40 µV.

Legislation and standards

RED (Radio Equipment Directive)	yes
CE	yes
EN 300 220	yes

Technical specifications

Battery voltage	3.6
IP rating	IP65
External antenna	Optional
Memory	10,000 measurements
Input impedance	100 K□

Overload protection	30 V
Overpressure protection	Optional
Reference output voltage	2.45 V (max. 15 mA)

Dimensions

Housing dimensions	105(l) x 70 (b) x 34 (h) mm
Weight	93 g (excluding battery)