



Wireless Differential pressure sensor

The Wireless Value DLPa measures the differential pressure between two points as a comparative value. The differential pressure is measured through two ports using the hot-wire principle. Its high sensitivity makes this sensor ideal for use in laboratory environments, such as clean rooms and in biological research.

Features

- Accurate wireless multidetection
- Battery life up to 10 years
- Compatible with all Wireless Value Base Stations
- Transmission range 1,000 metres (free line of sight)

Applications

- Pharma & Lab

Specifications

- Memory for storing of 10,000 measurements
- Adjustable measuring interval
- Attractive ABS housing
- Suitable for wall mounting
- Existing system easily expandable with additional sensors
- Battery replaceable by user
- Unique network ID to avoid interference with other wireless systems

The connected Base Station sends the sensor values to:

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

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Technical specifications

Model	wireless module
Type	pressure difference
Sensortype	internal
Measurement range	
Range	500 – 500 Pa, -20° C - +80° C
Measurement accuracy	
Pressure difference	zero point: 0,1 Pa
Range	0,3 % of measurement
Temperature	-10° C - +60° C: 2° C, -20° C - +80° C: 3° C
Measurement resolution	0,1 Pa
Drift	< 0,05 Pa / year
Measurement interval	adjustable between 1 second and 255 minutes, default 2 minutes
Operating temperature	-20 °C to +80 °C
Power supply	1 AA 3,6 V lithium battery
Battery lifetime	up to 10 years at a measurement interval of 5 minutes
Memory	10.000 measurements
Radionorm	EN 300 220
Frequency	868 - 870 MHz
Legislation	RED, CE
Range	1.000 meter free line of sight
Housing class	IP65
Color	RAL 7035
Dimensions	110 (l) x 100 (w) x 55 (h) mm, excl. wall mount
Weight	250 g (excluding battery)
Configuration	SensorGraph or Wireless Value Online Portal
Order options	
Housing options	no
External antenna	yes
Pressure relief	yes
External power supply	no

