

# Wireless module for measuring differential pressure with Novasina sensor (DLT-nSens-DP-AE)

DLT-nSens-DP-AE



- Accurate wireless detection
- Measurement of small pressure differences

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

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DLT-nSens-DP-AE



## Description

### DLT-nSens-DP-AE

The Wireless Value DLT-nSens-DP-AE is a digital sensor for measuring very small pressure differences (differential pressure) in cleanrooms or air-conditioning systems. The measuring range is -25 to +25 pascals (Pa) and the accuracy is  $\pm 0.15$  Pa at 20°C.

- Memory for storing 10,000 measurements
- Adjustable measurement interval
- Suitable for wall mounting
- Existing system can be easily expanded with additional sensors
- User-replaceable battery
- Unique network ID to prevent interference with other wireless systems

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## Specifications

### General

|              |                                                                                                  |
|--------------|--------------------------------------------------------------------------------------------------|
| Battery type | AA                                                                                               |
| Model        | Wireless module with differential pressure sensor, featuring a built-in absolute pressure sensor |

### Measurement range

|                       |                                                             |
|-----------------------|-------------------------------------------------------------|
| Operating limits      | -20 °C to +80 °C                                            |
| Differential pressure | -25 to +25 Pa. Ambient pressure range 700 – 1260 hPa / mBar |
| Signal range          | 1,600 metres in clear line of sight                         |

### Measurement accuracy

|                       |                                              |
|-----------------------|----------------------------------------------|
| Differential pressure | ±0.15 Pa. Ambient pressure accuracy ±0.5 hPa |
|-----------------------|----------------------------------------------|

### Measurement resolution

|                       |        |
|-----------------------|--------|
| Differential pressure | 0.1 Pa |
|-----------------------|--------|

### Legislation and standards

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

### Technical specifications

|                 |      |
|-----------------|------|
| Battery voltage | 3.6  |
| IP rating       | IP65 |

### Dimensions

|                    |                              |
|--------------------|------------------------------|
| Housing dimensions | 105 (l) x 70 (w) x 35 (h) mm |
| Sensor dimensions  | 116 x 45 x 38 mm             |
| Weight             | 93 g                         |