



## LPWAN Differential pressure device

LPWAN Differential pressure device has been designed to support air quality monitoring for buildings. By knowing pressure ratio inside and outside of the building it's possible to prevent moisture and mold formation and secure healthy environment for users. The device can be used both in indoor and outdoor environments. To ensure high quality and precise measurement, Swiss Sensirion SDP810 sensor has been selected. The device is available for 2 different pressure ranges: 125Pa and 500Pa.

### Usage:

- ✓ Differential pressure measurement outside and inside of a buildings
- ✓ Air condition filter performance
- ✓ Maintenance of air condition systems planing



LPWAN Environmental device	Parameter
Protection	IP65
Power supply	3.6V lithium battery 14505(M)/2600mAh, 2 batteries possible
Power consumption	<3,5uA in deep sleep/80mA transmission (Sigfox, LoRa) / 500mA (NBLoT)
Battery lifetime	Aprox. 35k transmissions @ 2x14505 / over 100k @ D size LS
Supported LPWAN standards	Sigfox, LoRaWAN, NBLoT, GSM (one of selected upon order)
Dimensions	60mm x 100mm x 33mm +10mm pipes
Weight standard/radiation	150g
Differential pressure sensor	Sensirion SDP810/125Pa or 500Pa
Accelerometer, tamper contact	Optional, antitheft protection
Antenna/typical range	Helical, gain 2.1dBi/45 to 110km depends on LPWAN technology

