

LPWAN Temperature & Air Humidity IP65/IP20

PRODUCT DESCRIPTION

The device is battery operated and battery lifetime has been optimized by selection of high quality and ultra low power components. 5+ year between battery replacement can be expected. Enclosure is made of high-quality ABB plastic and has been designed to meet high demanding interior requirements. Front panel is made in high bright surface. IP65 boxes are available in gray, black or white color.

LPWAN Environmental device has been designed for indoor air quality monitoring and can be delivered in various combination of air quality sensors:

- Thermometer
- Humidity meter for air relative humidity
- Air pressure (optional)



USAGE

- Air quality monitoring in public buildings, such as schools, offices etc.
- Air condition optimization
- Wall mold prevention
- Persons presence detection

FEATURES	PARAMETERS
Protection	IP20
Power supply	3.6V lithium battery 14505(M)/2600mAh, 2 batteries possible
Power consumption	<3,5uA in deep sleep/80mA transmission (Sigfox, LoRa) / 500mA (NBIoT)
Battery lifetime	Aprox. 20 000 transmissions
Supported LPWAN Standards	Sigfox, LoRaWAN, NBIoT (one of selected upon order)
Dimensions	100 x 100 x 25 mm
Weight	130g
Digital inputs	SHT31/ T accuracy 0.5°C/RH accuracy +/-3%, range -40 to 85°C/0 to 100%RH
Accelerometer, tamper contact	Optional, antitheft protection
Antenna/typical range	PCB, gain 2.5dBi/45 to 110km depends on LPWAN technology