

# Detektor gazu NET-EX-LORA



## FEATURES



NET-EX-LORA is an Ex d certified explosion-proof wireless gas detector with a built-in very powerful and energy-efficient sensor for detecting gas concentration in the air. The ultra-low power consumption design and intelligent software enable this wireless sensor to run on a single battery for many years while maintaining frequent updates to the sent data. The sensor works well as a single sensor, but if you need to measure large open spaces, it works perfectly with other sensors of this model communicating with each other wirelessly.

Typical applications: gas detection in wastewater treatment systems, industrial systems, oil refineries.....

### Communication

- ✔ Supports connection to any wireless network gateway.

### High-performance sensors

- ✔ Detector provides accurate, repeatable measurements of ambient gas concentrations

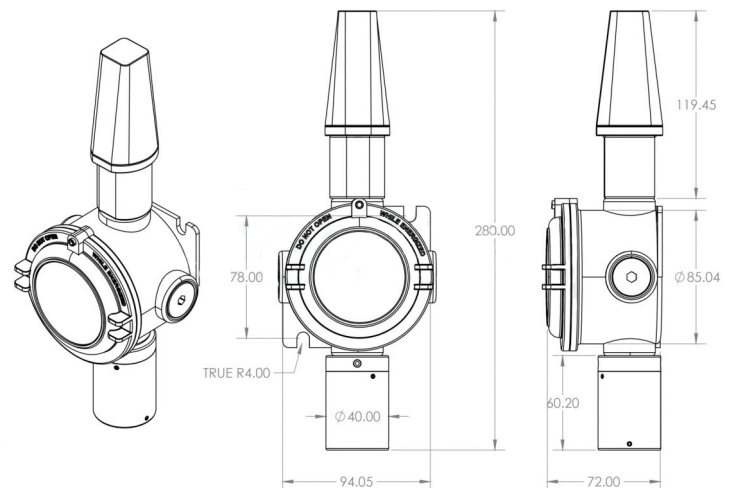
### Battery life of over 5 years

- ✔ Ultra-low-power sensor technology provides 5 years of battery life on a single D-type battery

### No configuration required

- ✔ The sensor is tested and pre-configured at the manufacturer before shipment.

DIMENSION DRAWING OF WIRELESS SENSOR  
(Unit: mm)



## Specification

Measurement technology	Electrochemical or NDIR sensor
Measurement range	0-100 ppm
Maximum overload	Depends on the selected sensor
Maximum response time (T90)	< 25s
Resolution	0.01 ppm
Repeatability	< 2% of measurement value
Deviation	< 2% of measurement value per month
Cas of sensor operation	<2 years in clean air
Sensor operating temperature	-40 to 50 °C
Pressure	atmospheric +/- 10%
Humidity	15 - 90% RH, non-condensing
Transmission speed	250bps ... 5470bps
Antena	2.67 dbi
Częstotliwość i moc RF	860..930 MHz, +14 ... +20 dBm, configurable for zone: EU868, IN865, RU864, KR920, AS923, AS923-2, AU915, US915
Communication protocol	Manufacturer's communication protocols
Upload options	Interval time, alarm occurrence and manual triggering with a magnetic key. Recommended max 24 messages per day
Configuration	via offline USB cable (PC software is provided free of charge)
Battery	01 x LiSOCl2 3.6 V type D battery
Case	GFP fireproof, IP66
EX Certification	IMQ 14 ATEX 005 X, TÜV CY 18 ATEX 0206158 X and IECEx DEK 15.0048X.
ATEX protection marking	ATEX II 2G Ex db IIC T4 Gb and ATEX II 2D Ex tb IIIC T135°C Db
Temperature resistance of the device	-40°C to +85°C
Standards	IEC EN 60079-0, IEC EN 60079-7 and IEC EN 60079-31
Zones	Gas danger zones 1 and 2 21 and 22 - hazardous areas containing conductive combustible dust
Dimensions	H170xW122xD77
Weight	~ 1100 grams (without battery)
Mounting	Wall mounting bracket