



LEVEL-PRO

GPRS / 4G / NBloT transmitter unit for various pressure probes and sensors (Ex zone 1/0)

D 20



Your benefits

- Intelligent fill level monitoring of oil, used oil, diesel, petrol and A1 fuel tanks
- Precise fill level measurement by means of pressure probe or capacitive sensor
- Robust housing for demanding conditions
- Quality "Made in Germany", two years warranty



Easy installation

Simply insert the pressure probe or the capacitive sensor into a suitable free tank opening (diameter at least 1") down to the lowest point in the tank and seal the opening airtight using screwed connections.

The antenna can be flexibly mounted on metal surfaces in the manhole or on the tank by means of a magnetic base.

Quick set-up

Once you have programmed the device using the configuration software, all you have to do is plug it into the battery. The device immediately sends a message to the appropriate server. Depending on the configuration, the data is now sent cyclically, e.g. once a day, when threshold limits are reached or in case of alarm.

Individual data management

Our data management solution consists of various modules. We provide a programming interface (API) for data collection, organize technical equipment, user accounts, configure the data solutions and much more. The data is monitored via a mobile app and a web app. All these services are operated by Amazon Web Services in the Frankfurt, Germany, area.

In addition, we can easily extend our data management solutions by incorporating push services into customer applications and extending operations to other Amazon Web Services regions.

In the web app indirect alarms can also be activated, e.g. for other limit values or for device and sensor malfunctions as well as transmission errors. In addition, in the web app geo-data of the tanks can be entered and displayed on a map.





Technical Specifications

TRANSMISSION UNIT

Use	<ul style="list-style-type: none"> Oil, used oil, diesel, petrol and A1 fuel tanks Precise fill level measurement using pressure probe
Programming	<ul style="list-style-type: none"> Initial configuration using the configuration software After installation reprogramming possible at any time via SMS or from the PC
Alarm	Alerts via push notifications or email
Data transfer	Via GPRS / 4G or NB-IoT to cloud server
Data format	Default: data to web server, encrypted or IP VPN
Data reception	Web server, data management via web application (cloud)
Cyclical notifications	<ul style="list-style-type: none"> Data transmission (frequency adjustable) Current fill level and 24 history fill levels Temperature Battery level Signal strength
Alarms	<ul style="list-style-type: none"> <u>Direct</u> alarms from the terminal (threshold values 1+2, exceeding, leakage, filling) <u>Indirect</u> alarms via web app (e.g. 2 further threshold values, device and sensor malfunctions, transmission errors)
Housing	Absolutely stable, weather-resistant
Protection	IP 67*, ATEX zone 1 (electronic), ATEX zone 0 (sensor) * If the complete device remains submerged in water for longer periods of time, the battery can discharge
Electronics	<ul style="list-style-type: none"> Microprocessor control Sensor measurement 0 to 5 V (AD value 0–999)
Power supply	Not dependent on power network: battery powered (battery interchangeable)
Operating temperature	–30 ... +50°C
Dimensions	80 mm x 80 mm x 80 mm (LxWxH of housing)
Warranty	2 years

EXTERNAL ANTENNA WITH MAGNETIC BASE

Cable length	1.2 m
Connection	Screw connection (SMA socket)
Mounting	Flexible with magnetic base

BATTERY PACK (INTERCHANGEABLE)

Construction	Fully encapsulated, ATEX zone 1
Connection	Coded, two pole plug (reverse-polarity protected)
Operating temperature	–30 ... +50°C
Lifespan	10 years depending on sending frequency (Long-life)

PRESSURE PROBES AND SENSORS (3 pole screw connection, IP68 plug)

1000745	Pressure probe 0.25 bar / 3 m, with plug, cable guide and pressure sensor 0–5 V
1000746	Pressure probe 0.25 bar / 5 m, with plug, cable guide and pressure sensor 0–5 V
1000747	Pressure probe Keller (Ex0) 20 bar, screw thread
1000748	Pressure probe (Ex0) 0.25 bar PR26YEL, immersion probe for A1 fuels
1001038	Capacitive sensor



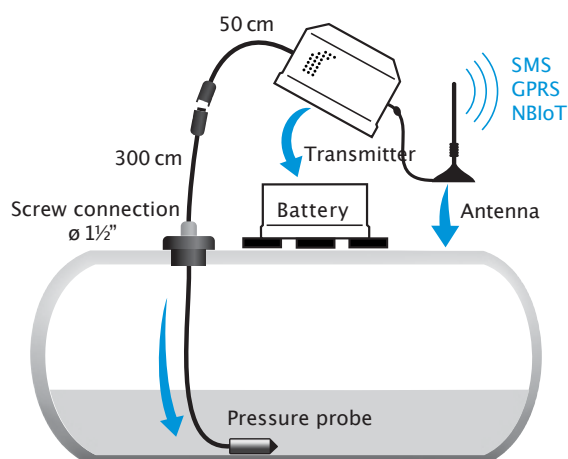
LEVEL PRO.OIL

ARTICLE INFORMATION

RCT article no.	1000078
Name	LEVEL PRO.OIL
Included	<ul style="list-style-type: none"> Transmitter External antenna with magnetic base Instruction manual Documentation of conformity

ACCESSORIES

Depending on selection	Pressure probe or capacitive sensor
1000516 (Standard)	Antenna, magnetic base, 1.2 m
1000528	Standard battery
1001121	Long-life battery



Produced according to
DIN ISO 9001:2015



CE Conformity
Quality Made in Germany



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