

LEVELview.BASIC.LPG

Radio transmitter unit (868 Mhz) for various Hall effect sensors (Ex zone 1/0)



D 18



Your benefits

- Intelligent fill level monitoring of gas tank fill levels up to a range of 1.500 m (free field)
- Contactless fill level detection using Hall effect sensors (magnetic field)
- Robust housing for demanding conditions
- Quality "Made in Germany", two years warranty



Easy installation

There is no complicated cabling necessary to assemble the system. Simply replace the existing fill level indicator (dial) on the float's flange with one of the Hall effect sensors in the RCT program. 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

Then simply plug the radio transmitter into the battery and attach the transmitter with magnets on the tank or tank cap. The current fill level value is immediately recorded and transmitted to the desired receiver by radio. This can be connected to the power supply in the house. The tank fill level and battery level data is transmitted hourly.

Individual data management

The fill level measurement on the LPG tank is contact-free using the Hall effect sensor and is suitable for all commercially available above and underground LPG tanks, even in potentially explosive areas (ATEX zone 1/0). The transfer of the fill levels is performed wirelessly via radio transmitter on the tank. Information about the tank contents can be transmitted up to a range of 1.500 m and can be read in percent or liters.

In addition, you can use any number of other displays in the radio range. With an additional "Interface" wireless receiver, the level can be output as an analogue signal of 4 ... 20 mA or a relay can be switched depending on the level. Do you want to monitor several tanks within radio range? With the RCT DATALOGGER you can record up to 16 sensors via radio or cable and manage them online via the RCT Web application on the PC.





Technical Specifications

TRANSMISSION UNIT

Use	<ul style="list-style-type: none"> Liquid gas tank (above/below ground) with Hall effect sensor Contactless fill level measurement by way of magnetic field
Programming	<ul style="list-style-type: none"> Preprogrammed on delivery Independent configuration when first switched on
Alarm	None
Data transfer	Radio (868 Mhz frequency)
Data format	Data set to RF receiver
Data reception	RF receiver LCD, RF receiver 4-20 mA, up to 1.500 m range (free field)
Cyclical notifications	<ul style="list-style-type: none"> Hourly data transmission Current fill level Battery level
Alarms	None
Housing	Absolutely stable, weather-resistant
Protection	P 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
Dimension	80 mm x 80 mm x 80 mm (LxWxH of housing)
Warranty	2 years



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ARTICLE INFORMATION

RCT article no.	1000079
Name	LEVELview.BASIC.LPG
Included	<ul style="list-style-type: none"> Transmitter External antenna with magnetic base Instruction manual Documentation of conformity RF receiver

ACCESSORIES

Depending on selection	Hall effect sensor
1000516 (Standard)	Antenna, magnetic base, 1.2 m
1000528	Standard battery
1001121	Long-life battery
1000384	RF receiver, LCD tank symbol

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)

HALL EFFECT SENSORS AND ADAPTERS (3 pole screw connection, IP68 plug)

1000744	Sensor RCT junior
1000038	Sensor Livello type
1000043	Sensor Cotrako type
1000028	Sensor Original Rochester 4"
1000031	Sensor Original Rochester 8" Centerline
1000032	Sensor Original Rochester 8" Straddleline
1001032	Adapter Junior type on SRG 705
1000438	Adapter Junior type on Rochester 2"

