

Product Information

LC201 – Level Controller 201

Tank Gauge with GSM Data Transfer



Tank contents measurement up to 99.999 litres

LC 201 is an electronic instrument for indication of tank contents in litres and percentage of tank volume. All common tank shapes are supported. The measurement is done contactless using 40 kHz ultrasonic pulses. The installation is very easy. LC 200 is maintenance free and highly reliable.

LC 201 is a direct replacement for the mechanical gauges.

Exceptional position through GSM Communication

Display and GSM Tank Information

- Remaining Litres and Percent
- Ullage in Liters
- Average Consumption
- Remaining Days
- Distance to the Fluid Surface in cm
- Temperature °C tank Environment
- GSM Communication
- Date
- Calender Function
- Error Message
- SMS Alert MinimumLevel
- SMS Tank Content Information options are: daily, once a week, all 2 weeks or monthly.

LC 201 evaluates the propagation time of ultra-sonic pulses to detect the fluid level in the tank. Thus mechanical ageing problems cannot arise. All tank forms in common use are supported like cubic, cylindrical tanks, in horizontal or vertical position. From this information the tank contents in litres is calculated, also the average demand per day and the remaining time period based on average demand is derived.

GSM application

With each SIM card. No links to provider - free of choice.

Application:

- Heating Oil Tanks,
- Water Tanks,
- Waste Oil Tanks
- And many more..

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Technical specification

Dimensions (w x d x h):	132 x 80 x 170 mm
Weight (incl. Main adapter):	app. 660 g
Housing:	colour black, oil resistive
Protection:	IP 20 as (only for indoor use).
Display:	LC-display 60 mm x 40 mm, 2 lines with 5 respectively 6 digits, 11 and 13 mm high
Temperature range:	-10°C ... +45°C
Power supply:	mains adapter, 230 V AC with Euro plug (not protected)
Note:	LC 201 is CE-marked and manufactured conform to ROHS requirements.

Measurement method:

Principle:	Ultra-sonic pulses, 40 kHz, pulse duration: 20 ms
Range:	19 cm ... 270 cm (distance to the fluid surface)
Uncertainty:	±1 cm

Installation: Screw LC 201 into tank thread >> 1.5 inch (6/4") and 2 inch

Operating modes:

Every 24 hours a measurement is taken, the tank contents in litres and volume percentage is displayed hereafter permanently.

Manual measurement:

New Readings at anytime possible by pressing the arrow button.
With program variation 4 or 5 a permanent measurement all 4 minutes or 10 sec. is possible.

Variation: SMS Return Inquiry.

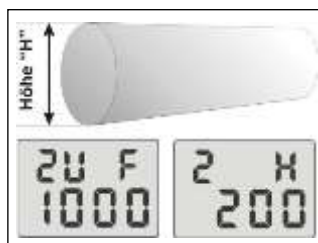
SMS / Report & Analyse

- SMS reports can be sent to two different consignees.
- PC - software with tank data management on request

Tank Types: Type 1



Type 2



Type 3



Scope of delivery: LC200, operating instructions, mains adapter 230 V AC.

