

# Product Information

## LC200 – Level Controller 200

### Tank Gauge with GSM data transfer



#### Tank contents measurement up to 99.999 litres

LC 200 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 200 is a direct replacement for the mechanical gauges.

#### Exceptional position through GSM Communication

#### Display and GSM Tank Information

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

LC 200 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 linking 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. batteries):	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:	4pcs. Alkaline Batteries, Baby-C, LR14 , 1,5V
Battery life time:	app. 2 years, warning symbol for weak batteries
Note:	LC 200 is CE-marked and manufactured conform to ROHS requirements.
<b>Measurement method:</b>	
Principle:	Ultra-sonic pulses, 40 kHz, pulse duration: 20 ms
Range:	19 cm ... 270 cm (distance to the fluid surface)
Uncertainty:	±1 cm
<b>Installation:</b>	Screwing into the 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 be inserted on the display after press Mode Button.

#### SMS / Report & Analyse

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

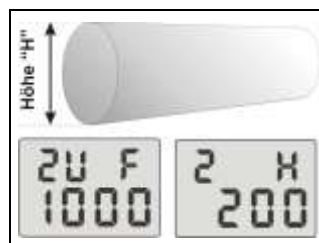
#### Manual measurement

Reading anytime possible. Use the Arrow button. LC 200 goes to automatic into sleep mode after 35 secs.

#### Tank Types: Type 1



#### Type 2



#### Type 3



**Scope of delivery:** LC 200, Manual, 4 x 1.5 V batteries, baby, Type C, alkaline,