

# MOBILE LEVEL CONTROL

*via ultrasound  
from outside  
through the tank wall*

## AT TANK WAGONS AND TANKS



**SONOMETER 11**

*fast  
safe  
precise*

# SONOMETER 11 K

## LEVEL CONTROL AT TANK WAGONS

fast - reliable - safe

SONOMETER 11 is served as mobile level measurement and control of liquids at bigger tanks and tank wagons. It measures without any contact to the medium through the wall of tank and offers easy handling and independence of permanent installed measuring instruments or local plants as f. e. balances.

### Advantages

- simple control of level in tanks or tank wagons
- non-destructive ultrasonic measurement really without radiation exposure
- mobile measurement without expenditure of installation from the outside through the tank wall
- universal adjustable at different measuring tasks

### Applications

Working with batteries independent from mains the device measures and detects the level in the tank via the echo-principle contacting the sensor at the bottom of tank. Besides it is individual adjustable to the measuring task - e.g. display the level in millimetres, as volume or percentage.

10 parameter blocks are permanent saveable and to recall. Also measurement for limit level is possible at the side of tank.

This way it is detected, if air/gas or liquid is behind the tank wall.

For longer monitoring of level tanks (e.g. at mobile storage tanks, tank wagon) the device possesses current and switched outputs (e.g. 4...20 mA; limit relay).

Data of tank and acoustical data are filed as parameters in the memory.

Really simple is the measurement using our special version, possessing three set parameter blocks, selectable via button. So a fast and simple adjustment at different tanks and liquids is possible.

The device is successful operating by delivery control of tank wagons with liquid gas and other liquid chemicals, e. g. at federal institution of railway.



### Supplied material

01 30 20 50 02	SONOMETER 11 K; ultrasonic measuring device for continuing measurement; portable;
01 30 20 50 05	instruction manual SONOMETER 11
01 30 20 50 08	ultrasonic sensor for small tanks and water like liquids to 50 cm with waterproof plug connecting system Lemo
01 30 20 50 07	ultrasonic sensor for bigger tanks
01 60 05 02 02 2	connecting cable 2 m (2 Lemo plugs)
01 30 20 50 04	charging power supply 28 V
01 73 01	couple paste - red - 1 tube (50 ml) for mobile application



overfilling control at train