

technical data - SONOMETER 05

- ▶ principle:** Ultrasonic-impulse-echo-principle from the bottom through the tank wall with an ultrasonic probe.

- ▶ measuring range:** The measuring range is to set for water similar media considering the geometry of tanks in the limits of 30 up to 22000 mm.
The measurement of level is possible down to 30 mm according to the tank.

- ▶ dissolution:** 1 % of measuring range, maximum 1 mm.

- ▶ measuring frequency of ultrasonic probes:** 0.25 MHz, 0.5 MHz, 1 MHz und 2 MHz.

- ▶ cable length:** between probe and measuring system: 10 m (other length if required)

- ▶ output signals:**
 1. Continuous output of measured values in chosen range with analogue interface 0/4 ... 20 mA, with zoom function and invertible characteristic
 2. Relay switching contact, max. 50 V / 0,5 A

- ▶ power supply:** DC 18 ... 30 V

- ▶ current consumption:** 150 mA

- ▶ electric connections:** plugable connectors in casing

- ▶ electric protection:** reverse battery protection

- ▶ operating temperature:** transducer: 0 ... +60°C
probes -20 ... +135°C

- ▶ dimensions/ protection of the box:** W x L x H: 160 x 120 x 80 mm
4 fastening holes (diameter 5 mm)
Aluminium casing, 950g / IP65

- ▶ regulations:** optional: SONOMETER 05 in special casing with regulation to Hazard Area 1