



Sounding devices



Sounding devices are part of the standard equipment for the ascertainment of ground water levels. These mobile units are characterised by their simple, fast and solid acquiring of water level. With the variety of available models, you have the possibility to select the appropriate unit according to your individual requirements in cable length or operating convenience. All sounding devices are equipped with acoustic and visual signalling on water contact, as a standard feature. Optionally, all units can be extended to include a bottom sensor to sound the depth of the groundwater well or borehole. Our sounding devices have been in operation all over the world for many years now and are a guarantor for robustness and precisely measured values in rough field conditions.

Properties

Measuring probe

The measuring probe is made from stainless steel and electroplated brass, with a diameter of 15 mm and a length of 195 mm. The response characteristic of the sensor has been designed for extremely low conductivity as well as for contaminated or salt water. All materials used are corrosion-proof and resistant to contaminated or salt water. The assembly allows for easy cleaning.

Measuring tape

- Bifilar strip made of white polyethylene with 2 stainless steel wires
- Resistant to UV-radiation and contaminated water or salt water
- Metres printed in red, cm divisions and dm figures in black

Areas of application

- Water level measurements of electrically conducting liquids in boreholes, wells and tanks (in ATEX-free zones only)
- Long-term observations for periodic level soundings
- Continuous water level registration during pumping tests
- Additional sounding of well depths using the bottom sensor (accessory)

All it takes for environmental research



Versions

Art. no.: 11.03.40

Sounding apparatus with acoustic- and light signal, electrode Ø 12 mm, reading accuracy 1 cm, measuring range 10 m.

This sounding device, in pocket-size format, is a high-value product equipped with visual and acoustic signalling. The special features include a compact design and a method of construction and a favourable price.

Measuring probe: Ø 12 x 70 mm, made of stainless steel.



Art. no.: 11.03.41, 11.03.42 and 11.03.43

Sounding apparatus with acoustic- and light signal, electrode Ø 15 mm, plunging volume only 17.6 cm³, for all kinds of groundwater (sensitivity 50 µS/cm to 220 mS/cm), measuring range resp. 15, 30 and 50 m, reading accuracy 1 cm.

This compact version features robust construction with a favourable price. Due to its low weight and the slim dimensions, it is easy to carry. The sounding devices are lying comfortably in the hand and lowering of the measuring tape is achieved by simple use of the hand crank. In this way there are no distracting components or supports for the measuring probe during the operation.



Art. no.: 11.03.42.01, 11.03.43.01, 11.03.45, 11.03.46, 11.03.47, 11.03.48 and 11.03.49

Sounding apparatus with acoustic- and light signal, electrode Ø 15 mm, plunging volume only 17.6 cm³, for all kinds of groundwater (sensitivity 50 µS/cm to 220 mS/cm), measuring range resp. 30, 50, 100, 150, 200, 300 and 500 m, reading accuracy 1 cm, with carrying frame.

For longer tapes and intensified user comfort a stable frame made from high-tensile special acrylic resin is used. This offers robustness with minimum weight and always provides easy handling, despite the large tape length. These sounding devices are also equipped with a sequential and parking brake system. The electronics and the visual display are just as compactly integrated in the cable drum.



Technical data

Art. no.	11.03.40	11.03.41/42 and 11.03.43	11.03.42.01/43.01/45/46/47/48/49
Measuring probe - materials	Stainless steel and electroplated brass, easy to clean		
Measuring probe - dimensions	Ø 12 mm, length 70 mm	Ø 15 mm, length 195 mm	
Measuring tape lengths	10 m	resp. 15, 30, 50 m	resp. 30, 50, 100, 150, 200, 300 and 500 m
Power supply	1x 9 Volt pack	4 x 1.5 Volt baby batteries	
Recommended storage temp.	+5 °C up to +30 °C, for battery protection		
Safety class for probe	IP 68, permanently pressure resistant		
Safety class measuring tape drum	IP 64, spray water resistant		
Measuring tape	<div><div></div><div>Bifilar strip made of white polyethylene with 2 stainless steel wires</div><div></div><div>Resistant to ultraviolet rays and to contaminated or salt water</div><div></div><div>Metres printed in red; cm divisions and dm figures in black</div></div>		