

Water Meters type 010 | 025 | 015 | 020 Mini

For mobile measurements of water level in groundwater wells and groundwater sites



Manual measuring



Water Meters

HT Water Meters 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 HT Water Meters are equipped with visual signalling on water contact, as a standard feature. Optionally, all units can be extended to include acoustic signalling and a bottom sensor to sound the depth of the groundwater well or borehole. Our Water Meters 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. For smaller diameters, an alternative version is also available with a diameter of 10 mm and a length of 180 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

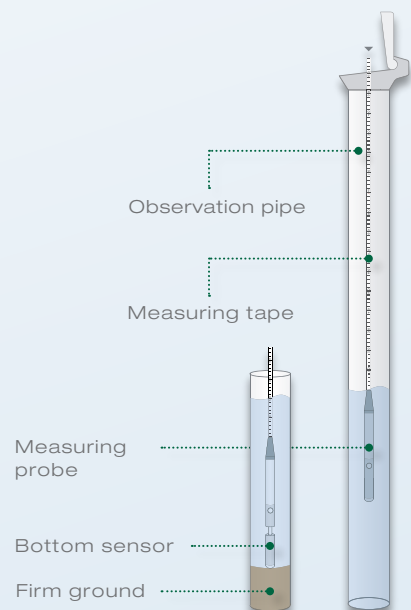
- Bifilar strip made of white polyethylene with 2 stainless steel wires
- Resistant to UV-radiation and contaminated water or salt water
 - Metres printed in red, cm divisions and dm figures in black



Measuring probe with bottom sensor

■ 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)



Functional principles

The measuring probe is lowered down into the pipe or well by means of the hand crank. When the sensor makes contact with water, a visual or acoustic (optional) signal is given off at the unit. The water level can then be read off from the measuring tape, which is divided into centimetres, decimetres and metres.

■ Versions

Type 025 (up to 60 m)

For the convenience of the operator, the cast aluminium frame with reinforced steel back can be placed on the top of the pipe. Despite its light weight, it is very robustly constructed. Water Meter type 025 is fitted with a sequential brake for regulating the speed when lowering down the measuring tape. Alternatively, the measuring probe can be held at any desired depth. The electronics and the visual display are compactly integrated into the cable drum, are protected against ingress of water and do not distract when winding.

- Available tape length: 15 / 30 / 50 / 60 m

Special lengths available on request.



Type 010 Triangular frame (from 15 to 1,000 m)

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. Water Meter type 010 is also equipped with a sequential and parking brake system. The electronics and the visual display are just as compactly integrated in the cable drum.

- Available tape length:
15 / 30 / 50 / 80 / 100 / 150 / 200 / 300 / 400 / 500 / 750 / 1,000 m

Special lengths available on request.

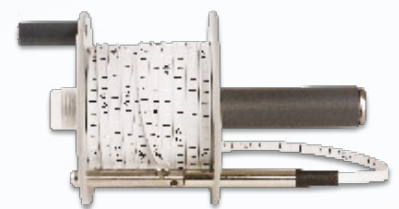


Type 015 Hand drum (up to 50 m)

This compact version as a hand unit features robust construction with a favourable price. Due to its low weight and the slim dimensions, it is easy to carry. The Water Meter type 015 lies 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.

- Available tape length: 15 / 30 / 50 m

Special lengths available on request.



Type 020 Mini (up to 10 m)

The Water Meter type 020 Mini, in pocket-size format, is a high-value Water Meter and already equipped with visual and acoustic signaling in the standard version. 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

- Available tape length: 5 / 10 m Special lengths on request.
- Accessories: Protection bag



Water Meters

■ Special features

- Visual and (optional) acoustic signalling on water contact
- No disturbing parts or supports when winding
- Robust construction with low weight
- Bottom sensor for depth sounding (accessory)
- 4 different models for individual requirements
- Variable cable lengths from 5 to 1,000 metres
- Warranty: 24 months



■ Technical Data



	Type 010 Triangular frame	Type 025	Type 015 Hand drum	Type 020 Mini
Measuring probe - materials	Stainless steel and electroplated brass, easy to clean			
Measuring tape lengths	15 up to 1,000 m	15 up to 60 m	15 up to 50 m	5 up to 10 m
Measuring probe - dimensions	diameter 15 mm, length 195 mm			Ø 12 mm, length 70 mm
Power supply	4 x 1.5 Volt Baby batteries			1 x 9 Volt Pack
Recommended storage temperature	+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	<ul style="list-style-type: none"> ■ Bifilar strip made of white polyethylene with 2 stainless steel wires ■ Resistant to ultraviolet rays and to contaminated or salt water ■ Metres printed in red; cm divisions and dm figures in black 			
■ Accessories				
Acoustic signal	■	■	■	Already integrated
Bottom sensor for additional sounding of drilling depth	■	■	■	-
Probe Ø 10 mm, length 140 mm	■	■	■	-
Protection bag (adjusted to the respective measuring tape length)	■	■	■	■

Changes in performance features and technical data are permitted.