

ELECTRIC CONTACT GAUGES TYPE 010/015/020/025

Application:

Measurement of the water level in wells and ground-water observation tubes

Electric contact gauges belong to the standard equipment for a manual determination of the ground-water level. The mobile devices are characterised by an easy, quick and reliable acquisition of measured values. You can choose from various types enabling you to select the suitable gauge according to your individual requirements.

As a standard feature, all electric contact gauges are equipped with an optical signalling device on contact with water. Optionally, the contact gauges can be equipped with an acoustic signalling feature and a sounding rod for the plumbing of the drilling hole depth. For many years, our measuring gauges have field-proven their ruggedness and ability to collect precise measuring values even under extremely hostile environmental conditions.

Advantages

- Optical signal on contact with water
- No disturbing structural parts or brackets during cranking
- Sturdy construction and low weight
- Four different versions for individual requirements and usage
- Variable cable lengths available from 5 to 1,000 m

Applications

- Water level control in electrically conductive liquids in observation wells, well shafts and tanks
- Long time observation for periodic plumbing checks
- Continuous collection of data about water levels during pump tests
- Additional plumbing of hole depth by means of the sounding rod (accessories)



- 1 Type 010 triangular rack
- 2 Type 015 hand reel
- 3 Type 020 mini
- 4 Type 025 rack

TECHNICAL DATA

Product details	Type 010 Triangular rack	Type 015 Hand reel	Type 025 Rack	Type 020 Mini
Measuring probe material	Made of stainless-steel and nickel-plated brass, easy to clean			
Measuring tape lengths (min. to max.) [m]	15-1000	15-50	15-60	5-10
Measuring probe dimensions [mm]	Ø 15 mm, length 195 mm			Ø 12 mm, length 70 mm
Power supply	4 x 1.5 volt C cell			1 x 9 volt block
Recommended storage temperature	+5 °C to +30 °C battery saving			
Measuring probe protection type	IP 68, permanently pressure-proof			
Measuring tape reel protection type	IP 64, splash-proof			
Measuring tape				
<ul style="list-style-type: none"> • Bifilar tape conduit of white polyethylene with stranded steel wires • UV-proof and resistant to contaminated water or salt water • Meter marking in red, cm-scale and dm-figures in black 				
Optional accessories				
Acoustic signal	x	x	x	already integrated
Sounding rod for the additional plumbing of hole depth	x	x	x	—
Measuring probe Ø 10 mm, Length 140 mm	x	x	x	—
Protective bag (adjusted to respective length of tape measure)	x	x	x	x
x = option — = not available with these accessories				

BATHOMETER (GRAVEL PLUMMET)

Application:

For the plumbing of solid subsoil of well-borings, ground water measuring points and open waters

Advantages

- Massive plummet with 30 mm Ø and a weight of approx. 1.5 kg
- Reel with sturdy, galvanized upright frame

Applications

- Plumbing of the grounds in wells, observation wells and ground water measuring points
- For checking hole depth after completion of drilling work
- During reactivation of old ground water measuring points and renewed documentation
- For measuring the drilling process and for filter gravel deposits
- For the plumbing of water beds of stagnant water, such as lake

Technical data

Measuring ranges								
The following measuring wires are available as standard devices:								
Length [m]	100	100	200	200	350	350	500	500
Partition	1m	5m	1 m	5 m	1 m	5 m	1 m	5 m
Special lengths of 500 m up to more than 1,000 m available on request.								

Optional accessories

For depths from 100 m, twist-free special wire cable of high tensile strength and a diameter of 1.5 mm

Water level gauge

Application

For the plumbing of water level in wells recommended for depths up to 30 m

Advantages

- High-quality metal version – nickel-coated brass
- Completely currentless operation

Dimensions	
Outer-Ø	Length
[mm]	[mm]
26	310
15	375

