



### OTT Contact Gauges for measurements of depth to water, temperature and conductivity

- **Measuring range**

Measuring tape lengths KL010: 15 ... 750 m; KL010 TM: 25 ... 500 m; KL010 TCM 30 ... 500 m

- **Application**

Groundwater

- **Measurement range**

Contact gauge

- **Parameters measured**

Water level / Distance to water, Temperature, Conductivity

- **Product Highlights**

Manual water level, temperature and/or conductivity measurement

OTT Contact Gauges are essential for manual measurements of depth to water, temperature, and conductivity in groundwater. The drum is held by a stable frame and is easy to carry. It is very smooth, so that you can effortlessly drain and haul the probe.

#### OTT KL 010

The OTT KL010 Contact Gauge measures the distance to water. Once the probe touches the water surface, you get a signal and you can see the distance to water.

For depths of 15 ... 750 m

### OTT KL 010 TM

In addition to the OTT KL010 the OTT KL010 TM comes with a temperature sensor and display for displaying the water temperature. Also suitable for depth profile measurement.

For depths of 25 ... 500 m

### OTT KL010 TCM

With conductivity sensor and display for the output values temperature, conductivity and TDS (Total Dissolved Solids). Also for creating temperature and conductivity profiles.

For depths of 30 ... 500 m

#### Type KL 010

|                        |  |
|------------------------|--|
| Measuring tape lengths | 15, 25, 30, 50, 80, 100, 150, 200, 250, 300, 500 and 750 m |
| Measuring accuracy     | 0.02% of scale tape length, but at least 5 mm              |

|                |   |
|----------------|---|
| Signalling     | Optical (signal lamp; LED optionally) & acoustic          |
| Power supply   | 6 V DC; 4 x 1.5 V C-type cells (alkaline);                |
| Operating life | ≥12 months (KL 010 / TM)                                  |
| Probe body     | Stainless steel/nickel-plated brass, 15 mm Ø, 190 mm long |
| Weight         | approx. 3.8 kg (15 m) □ 18.5 kg (750 m)                   |

|                             |                  |
|-----------------------------|------------------|
| Operating temperature range | [-30 ...] +75 °C |
|-----------------------------|------------------|

#### KL 010 TM

|                        |   |
|------------------------|---|
| Measuring tape lengths | 25, 50, 100, 150, 200, 250, 300 and 500 m |
|------------------------|---|

|                    |   |
|--------------------|---|
| Measuring accuracy | 0.02% of scale tape length, but at least 5 mm |
| Temperature sensor | [-5 °C] ... +60 °C                            |
| Accuracy           | ±0.1 °C                                       |
| Resolution         | 0.1 °C  |

|                             |   |
|-----------------------------|---|
| Signalling/Indication       | Display (LCD), 3 1/2 digits<br>Button to display battery capacity in %<br>Optical signal (LED) & acoustic |
| Power supply                | 6 V DC; 4 x 1.5 V C-type cells (alkaline)   |
| Operating life              | ≥12 months (KL 010/TM)  |
| Probe body                  | Ø 15 mm, 183 mm long  |
| Material                    | Stainless steel/nickel-plated brass   |
| Weight                      | approx. 3.6 kg (25 m) □ 14.3 kg (500 m)   |
| Operating temperature range | [-30 ...] +75 °C  |

#### KL 010 TCM

# Technical Data

## OTT Contact Gauges



|                             |   |
|-----------------------------|---|
| Measuring tape lengths      | 30, 50, 100, 150, 200, 250 and 500 m          |
| Measuring accuracy          | 0.02% of scale tape length, but at least 5 mm |
| Temperature sensor          | –1 ... + 70 °C                                |
| Accuracy                    | ±0.1 °C                                       |
| Conductivity measuring cell | 0 ... 200 mS/cm                               |
| Accuracy                    | ±0.5% of measured value, min. ±2 S/cm         |

|                             |   |
|-----------------------------|---|
| Signalling/Indication       | Display (LCD), 3 digits<br>bar graph display for battery state<br>Optical signal (LED) & acoustic |
| Power supply                | 6 V DC; 4 x 1.5 V C-type cells (alkaline);  |
| Operating life              | approx. 18 h operating time   |
| Material                    | Stainless steel   |
| Probe body                  | Ø 20 mm, 238 mm long  |
| Weight                      | approx. 3.7 kg (30 m) / 14.5 kg (500 m)   |
| Temperature operating range | -20 ... +75 °C  |

| General        |  |
|----------------|--|
| Measuring tape | White polyethylen tape (two wires)<br>Conductor in high strength, rust and acid resistant stainless steel wires<br>Meter graduation in red, centimetre marks and decimetre graduation in black on white tape |
| Tape drum      | Special plastic, high strength, resistant to low temperatures,<br>Protection Class IP64  |
| Frame design 1 | Cast aluminium, steel  |
| Frame design 2 | Special plastic, high strength, resistant to low temperatures  |