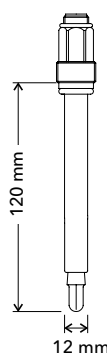


# Drinking water sensors

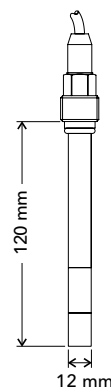
For measurement of pH/ORP, D.O. and conductivity at drinking water monitoring. Sensor can directly be connected to the series 298 or to the MULTILINE 1000.

We would like to inform you about the application range on our website

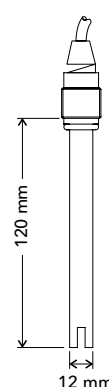
SenTix® ML 70 / ORP



Oxi ML 41



LR ML



## Technical Data

| Model                           | SenTix® ML 70   | SenTix® ML ORP   | Oxi ML 41   | LR ML   |
|---------------------------------|---|--|---|---|
| <b>Measuring principle</b>      | Potentiometric  | Potentiometric   | Amperometric  | Conductometric  |
| <b>Measured value</b>           | pH  | ORP  | Dissolved Oxygen  | Conductivity  |
| <b>Measuring Range</b>          | pH 0 ... 14   |  | 0 ... 20 mg/L O <sub>2</sub><br>0 ... 200 % air saturation  | 100 µS/cm ... 20 mS/cm  |
| <b>Cell constant</b>            | -   | -  | -   | 1.0 cm <sup>-1</sup> ± 20 %   |
| <b>Response time</b> (at 25 °C) | -   | -  | t <sub>90</sub> (90 % of the final value display after) < 30 s                                      | -   |
| <b>Temperature Measurement</b>  | -   | -  | Platinum measurement resistor Pt 1000   | Platinum measurement resistor Pt 1000   |
| <b>Temperature Compensation</b> | -   | -  | Automatic   | Automatic   |
| <b>Application temperature</b>  | 0 ... 80 °C   | 0 ... 80 °C  | -5 ... 45 °C  | -5 ... 80 °C  |
| <b>Pressure Resistance</b>      | Max. 6 bar  | Max. 6 bar   | Max. 3 bar  | Max. 6 bar  |
| <b>Electrical Connection</b>    | S7 industrial screw plug connection;<br>Screw-in connection PG 13.5 on the plug head connector for installation | S7 industrial screw plug connection;<br>Screw-in connection PG 13.5 on the plug head connector for installation                                      | 1 m multi-wire, screened fixed cable without plug, twistable<br>PG 13.5 screw coupling at the shaft | 1 m multi-wire, screened fixed cable without plug, twistable PG 13.5 screw coupling at the shaft  |
| <b>Certifications</b>           | CE  | CE   | CE  | CE  |
| <b>Mechanical</b>               | Shaft Glass<br><br>Connection head: Plastic (ABS)<br>Sealing: Silicone<br>Protection Rate: IP68                 | Shaft Glass membrane<br>Metal electrode: Platinum rounded end Ø 6 mm<br>Connection head: Plastic (ABS)<br>Sealing: Silicone<br>Protection Rate: IP68 | ABS, stainless steel 1.4571, polysulphone, silicone<br><br>Protection Rate: IP64                    | Shaft Plastic (PSU)<br>Electrodes: Special graphite<br><br>Connection head: Plastic (ABS)<br>Sealing: Silicone<br>Protection Rate: IP64 |
| <b>Weight</b>                   | Approx. 0.1 kg  | Approx. 0.1 kg   | Approx. 0.2 kg  | Approx. 0.1 kg  |
| <b>Warranty</b>                 | ½ year on defects in quality according to § 10 terms of conditions  |  |   | 2 years on defects in quality according to § 10 terms of conditions   |

| Model                 | Description  | Order No. |
|-----------------------|--|-----------|
| <b>SenTix® ML 70</b>  | pH combination electrode with gel electrolyte, S7 plug head, glass-shaft; PG 13.5 screw thread   | 104100    |
| <b>SenTix® ML ORP</b> | ORP combination electrode with gel electrolyte, S7 plug head, glass-shaft; PG 13.5 screw thread  | 104150    |
| <b>Oxi ML 41</b>      | Electrochemical D.O. sensor with 1 m (3.3 ft) fixed cable for measuring and controlling oxygen in drinking water. Use with transmitter MULTILINE 1000 or Oxi 4000. Range: 0-20 mg/l or 0 - 200 %, temperature range: -5-45 °C, with temperature sensor Pt 1000; open cable ends. | 201931    |
| <b>LR ML</b>          | Conductivity cell, with 1 m fixed cable, 2 graphite electrodes; - 5-80 °C; range 100 µS/cm - 20 mS/cm; temperature measurement with Pt 1000, PG 13.5 screw thread  | 301150    |