



The amperometric oxygen probe is ideal for direct control of dissolved oxygen in water, e. g. drainwater, surface water, fish farming or laboratory and engineering plants. The oxygen probe MF40I features high long-term stability, low maintenance and identical dimensions to pH-electrodes.

High Operating Reliability

The special design of the electrode system and the membrane head with the multi-layer membrane guarantee the highest degree of operating reliability.

Easy Mounting, Maintenance and Air Calibration

The special sealing concept of the sensor and the rugged membrane secure measurements over several months without maintenance. The membrane head is completely changeable and the packing unit of the electrolyte volume is efficient for one sensor head. The zero-current-free technology of the electrode system allows simple one-point calibration in the ambient air.

Sensor shaft	PSU, PVC, ABS, Ø 12 mm
Immersion length	120 mm
Temperature range	-5...45 °C
Measuring range	0...20 mg/l; 0...200 % air saturation (further measuring ranges on request)
Resolution	0.1 mg/l
Response time	t ₉₀ < 30 s at 25 °C
Flow dependency	< 6 % at 25 °C
Flow rate	> 9 cm/s
Pressure	pressure of medium < 1 bar (it depends on mounting conditions)
Electrical connection	▪ S8 coaxial plug head with thread PG 13.5
Process connection	▪ thread PG 13.5 at plug head for direct mounting in housings ▪ installation vertically or laterally up to 30° from vertical

- Electrical connections of the sensor:
 - MF40I: S8 coaxial plug head with thread PG 13.5; separate connection cable is required
 - MF40I (OEM): customer specially designed models (sensor length, OEM logo, ...)
- Accompanying plug head cable connections:
 - K43/2: coaxial cable, length 2 m with S7/S8 socket, without meter plug