

Product Information

Analysis - O2

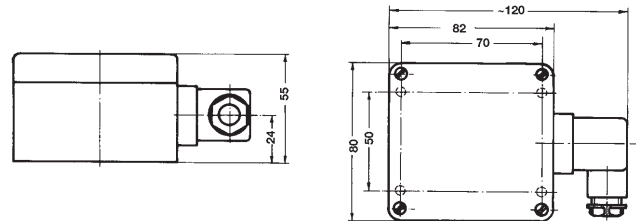
**Measuring transducer
 incl. electrode for
 dissolved oxygen in
 liquids OXY 3610 MP**

Sensor connection : 5-pole diode socket, screw-fitting
 Calibration : 1-point calibration in atmospheric air
 Housing : ABS

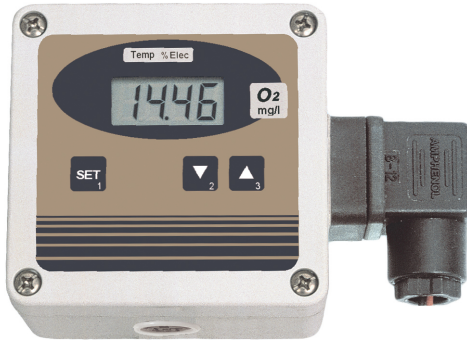
O₂ electrode (GWO 3600 MU)

Electrode : Active membrane type, with integrated NTC resistance
 Response time : 95 % in 10 s, temperature-dependent
 Operating pressure : max. 3 bar
 Flow speed : min. 30 cm/s
 Connection cable : 4 m with 5-pole diode plug, screw-fitting

Dimension



Oxygen probe : Diameter Ø: 12.0 ±0.2 mm
 Installation length: 110 mm
 Overall length: 220 mm incl. anti-kink protection



- Interchangeable O₂ electrode
- Electrode: active membrane type with integrated NTC resistance
- Galvanically isolated input
- Incl. galvanic oxygen sensor with temperature measurement
- Local display

Features

The OXY 3610 MP is designed for measurement of oxygen concentrations in liquids. Depending on the accuracy requirement of the measurement, the sensor can simply be calibrated in air (ideally, use a calibration bottle) at the push of a button, e.g. once per week.

The OXY 3610 MP is used in aquariums, fish husbandry and in measurement of spring water and well water.

Technical data

Measuring range
 Oxygen concentration : 0.00..25.00 mg/l (dissolved)
 Temperature : 0.0..50.0°C
 Accuracy (measuring transducer)
 Oxygen : ±1.5 % of measured value ±0.2 mg/l
 Temperature : ±0.1 °C ±1 digit
 Output signal (only O₂) : 4..20 mA, (2-wire)
 0..10 V (3-wire option)
 Galvanic Isolation : Galvanically isolated input
 Working temperature : 0 – 50 °C
 Auxiliary energy : 12..30 V DC at 4..20 mA
 18..30 V DC at 0..10 V
 Permissible resistance : R_A [Ω] = (U_V [V] - 12 V) / 0.02 mA
 Permissible load : R_L > 3000 Ω
 Reverse polarity protection Display : 10 mm height, 4-digit display
 Electrical connection : Angle connector acc. to EN 175301-803/A, maximum cable cross-section: 1.5 mm², cable diameter of 4.5..7.0 mm

Ordering code

OXY3610MP - 1. - 2.

1. Output signal	
A1	4..20 mA, (2-wire)
V2	0..10 V (3-wire)
2. Cable length	
L04	4 m cable
L10	10 m cable
L20	20 m cable
L30	30 m cable

Order example:
 OXY3610MP-A1-L04

Accessories / Spare parts

GWO 3600-L04-MU (article no. 607198)
 Spare electrode with 4 m cable

GWO 3600-L10-MU (article no. 610382)
 Spare electrode with 10 m cable

GSKA 3600 (article no. 601414)
 PVC protective cap, sinking

GAS 3600 (article no. 603497)
 Working set (comprising 3 spare membrane heads and 100 ml of KOH electrolyte)

GWOK 01 (article no. 601411)
 Spare membrane head

KOH 100 (article no. 603356)
 Spare electrolyte KOH, 100 ml bottle

GCAL 3610 (article no. 611371)
 Calibration bottle