

OXYGEN MEASURING TRANSDUCER FOR DISSOLVED OXYGEN IN LIQUIDS



OXY 3610 MP

Art. no. 602029

Oxygen measuring transducer incl. sensor

Specifications:	
Measuring ranges:	
Oxygen concentration:	0.00 ... 25.00 mg/l (dissolved)
Temperature:	0.0 ... 50.0 °C
Accuracy (at nominal temperature 25 °C):	
Oxygen:	±1.5 % of m.v. ±0.2 mg/l
Temperature:	±0.1 °C ±1 digit
Output signal (only O₂):	4 ... 20 mA (2-wire - standard), 0 ... 10 V (3-wire - option)
Electric isolation:	input electrically isolated
Auxiliary energy:	12 ... 30 V DC (at output 4 ... 20 mA) 18 ... 30 V DC (at output 0 ... 10 V - Option)
Perm. impedance (at 4 ... 20 mA):	$R_A [\Omega] \leq (U_v [V] - 12 V) / 0.02 A$
Permissible load (at 0 ... 10 Volt):	$R_L > 3000 \Omega$
Working condition:	0 ... +50 °C, 0 ... +95 % RH (non-condensing)
Storage temperature:	-20 ... +70 °C
Reverse voltage protection:	50 V permanently
Display:	approx. 10 mm high, 4-digit LCD-display
Housing:	ABS (IP65 - with the exception of sensor plug)
Dimensions:	82 x 80 x 55 mm (without elbow- type plug and sensor plug)
Electric connection:	elbow-type plug acc. to EN 175301- 803/A (IP65), max. wire cross section: 1.5 mm ² , wire diameter from 4.5 ... 7 mm
Sensor connection:	5-pin jack connector, screwable
Calibration:	1-point calibration: simple quick calibration in atmospheric air

Oxygen sensor:	
Type:	active membrane type, with integrated NTC-resistor
Response time:	95 % in 10 s, depending on temperature
Operation life:	3 years or more, depending on maintenance
Operating pressure:	max. 3 bar
Flow rate:	min. 30 cm/s
Build in diameter:	Ø 12.0 ±0.2 mm (suitable for ½" screw connection)
Overall length:	approx. 220 mm (with anti-buckling glanding)
Build in length:	approx. 110 mm
Connection cable:	approx. 4 m, with 5-pin plug, screwable
Warranty:	12 months
Working temperature:	0 ... +40 °C
Scope of supply:	device incl. electrode, GWOK 01 and KOH 100

Variant:

OXY3610MP-V2

Art. no. 602720

Output signal 0 ... 10 V

Accessories and spare parts:

GWO 3600-L04-MU

Art. no. 607198

Spare electrode with 4 m cable

GWO 3600-L10-MU

Art. no. 610382

Spare electrode with 10 m cable

GWO 3600-L30-MU

Art. no. 610171

Spare electrode with 30 m cable

GSKA 3600

Art. no. 601414

protection cap for depth measuring

GAS 3600

Art. no. 603497

Working set (consisting of 3 spare diaphragm heads and 100 ml KOH-electrolyte)

GWOK 01

Art. no. 601411

spare diaphragm head

KOH 100

Art. no. 603356

spare electrolyte KOH, 100 ml-bottle

GCAL 3610

Art. no. 611371

Calibration bottle

M12-CONNECTION CABLE



KM4P-G02

Art. no. 606224

Straight connector, 4-pole, 2 m cable

KM4P-G10

Art. no. 604518

Straight connector, 4-pole, 10 m cable

KM4P-W02

Art. no. 604104

90° connector, 4-pole, 2 m cable

KM4P-W10

Art. no. 607963

90° connector, 4-pole, 10 m cable

KM4P-GL

Art. no. 607964

Connector for self-tailoring, 4-pole

General:

Screened PUR-connection cable with moulded M12x1-connector (and loose ends). Available in straight and angular design.