**OXY 3690 MP**  
Product-ID: 602027  
Air oxygen measuring transducer incl. sensor

**Specifications:**
- **Measuring ranges:**
  - oxygen concentration: 0.0 ... 100.0 % O₂ (gaseous)
  - temperature: -20.0 ... +50.0 °C
- **Accuracy device (at nominal temperature 25 °C):**
  - oxygen: ±0.1 % ± 1 digit
  - temperature: ±0.1 °C ± 1 digit
- **Output signal (only O₂):**
  - ±0.1 % ± 1 digit
- **Temperature:** ±0.1 °C ± 1 digit
- **Permissible load (at 0-10 Volt):**
  - 0 ... 10 Volt (3-wire - option)
- **Auxiliary energy:**
  - 12 ... 30 Volt DC (at output 0-10 V - option)
- **Permit. impedance (at 4-20 mA):**
  - R, [Ω] ≤ (Uv [V] - 12 V) / 0.02 A
- **Display:**
  - approx. 10 mm high, 4-digit LCD-display
- **Dimensions:**
  - 82 x 80 x 55 mm (without elbow-type plug and sensor plug)
- **Sensor connection:**
  - elbow-type plug acc. to EN 175301-803/A (IP65), max. wire cross section: 1.5 mm², wire diameter from 4.5 ... 7 mm
- **Calibration:**
  - 1-point calibration in atmospheric air.
- **Air pressure compensation:**
  - 500 ... 2000 hPa abs., manually input

**Oxygen sensor:**
- **Type:** GGO 370 / MU
- **Measuring range:** 0.0 ... 100.0 % O₂
- **Response time Tₚ:** <10 s, depending on temperature
- **Warranty:** 12 months (assuming appropriate usage according to the manual)
- **Application area:** suitable for air and pure oxygen, suitable for high CO₂ concentrations
- **Temperature compensation:** integrated in sensor housing
- **Connection cable:** approx. 1.3 m, with 5-pin plug, screwable
- **Operating pressure:** 500 ... 2000 hPa (static)
- **Storage temperature:** -20 ... +70 °C
- **Dimensions of housing:** approx. Ø 40 x 103 mm (153 mm incl. anti-buckling glanding), housing with M16x1-screw thread (sensor can be connected to line tubes by means of an included adapter piece)
- **Weight:** approx. 135 g

**Option:**
- **AVD10:** output signal 0-10V
- **GOO:** oxygen sensor GGO 370 / MU, open sensor type, suitable for air and gas-stream (for more information please see page 56)
- **KL10:** sensor connection cable 10 m
- **LO:** design type for fast measurements of low oxygen contents (0-25 %) with sensor element GOEL 380

**Accessories and spare parts:**
- **GOEL-370**  
  Product-ID: 601490  
  spare sensor element for GGO 370 / MU

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**OXY 3610 MP**  
Product-ID: 602029  
Air oxygen measuring transducer incl. sensor

**Specifications:**
- **Measuring ranges:**
  - oxygen concentration: 0.0 ... 25.00 mg/l (dissolved)
  - temperature: 0.0 ... 50.0 °C
- **Accuracy device (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):**
  - ±0.1 % ± 1 digit
- **Temperature:** ±0.1 °C ± 1 digit
- **Perisable load (at 4-20 mA):**
  - R, [Ω] ≤ (Uv [V] - 12 V) / 0.02 A
- **Auxiliary energy:**
  - 4 ... 20 mA (2-wire - standard), 0 ... 10 V (3-wire - option)
- **Electric isolation:**
  - input electrically isolated
- **Auxiliary energy:**
  - 12 ... 30 Volt DC (at output 4-20 mA)
  - 18 ... 30 Volt DC (at output 0-10 V - Option)
- **Permit. impedance (at 4-20 mA):**
  - R, [Ω] ≤ (Uv [V] - 12 V) / 0.02 A
- **Auxiliary energy:**
  - 12 ... 30 Volt DC (at output 4-20 mA)
  - 18 ... 30 Volt DC (at output 0-10 V - Option)
- **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 mm², wire diameter from 4.5 ... 7 mm
- **Calibration:**
  - 5-pin jack connector, screwable
- **Storage temperature:** 0 ... +50 °C, 0 ... +95 % RH (non-condensing)
- **Reverse voltage protection:** 50 V permanently

**Oxygen sensor (GWO3600MU):**
- **Type:** active membrane type, with integrated NTC-resistor
- **Response time:** 95 % in 10 s, depending on temperature
- **Operating life:** 3 years or more, depending on maintenance
- **Operating pressure:** max. 3 bar.
- **Flow rate:** min. 30 cm³/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, GWOK1 and KOH100

**Variant:**
- **OXY3610MP-V2**  
  Product-ID: 602720  
  output signal 0-10 V
- **Accessories and spare parts:**
  - **GWO 3600-L04-MU**  
    Product-ID: 603895  
    Spare electrode with 4 m cable
  - **GWO 3600-L10-MU**  
    Product-ID: 603259  
    Spare electrode with 10 m cable
  - **GWO 3600-L30-MU**  
    Product-ID: 603258  
    Spare electrode with 30 m cable

**Transmitter**
- **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 mm², wire diameter from 4.5 ... 7 mm
- **Calibration:**
  - 1-point calibration: simple quick calibration in atmospheric air.

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further information on www.greisinger.de