



# Oxygen Detector-Transmitter E2608-O2



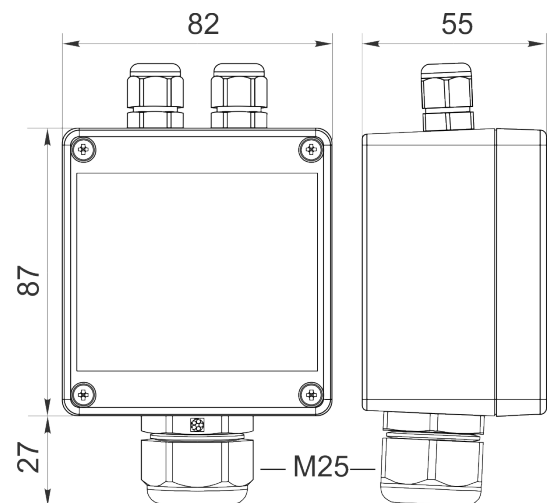
## Features

- Wall-mount or duct-mount version
- Industrial IP65 housing
- Two analog outputs settable to 4-20 mA or 0-10 V
- RS485 Modbus RTU digital interface
- Two relays for alarm / ventilation control
- Attached or remote sensor

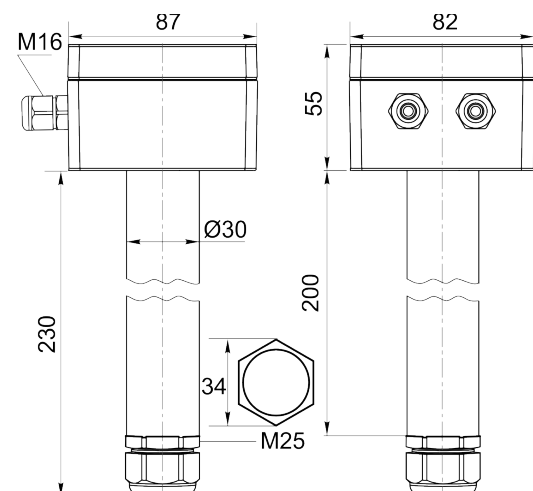
## Specifications

Calibration	Oxygen O <sub>2</sub>
Sampling method	Diffusion
Sensor type	Electrochemical or optical (fluorescence quenching based; ordering code -L)
Typical detection range	0...25% vol.
Resolution	0,01% vol.
Response time T90	<15 s electrochemical, < 30 s optical
Signal update	Every 1 second
Sensor lifetime	> 2 years for electrochemical sensor > 5 years for optical sensor
Maintenance interval	6 months for electrochemical sensor optical sensor is maintenance free (if no thermal fluctuations occur)
Self-diagnostics	Full functionality check at start-up
Warm-up time	≤ 1 min
Power supply	11...30 VDC (default), 24 VAC or 90...265 VAC as options
Power consumption	< 2 VA
Digital interface	RS485, Modbus RTU protocol
Analog outputs	2 × 4-20 mA / 0-10 V, user settable
Output scale width	Recommended: 20-100% of the range; > 10 × resolution in any case
Output relays	2 × SPST relays (closing contact), 250 VAC / 30 VDC, 5 A max
Default alarm setpoints	RE1 (HIGH): set 19.5%, release 20.5% RE2 (LOW): set 18%, release 19%
Enclosure	Light beige ABS plastic, wall mount, protection class IP65
Dimensions	H87 × W82 × D55 mm
Remote sensor probe	Protection IP65, shielded cable default cable length 3.0 m
Operating environment	Industrial indoor and outdoor locations
Operating conditions	15...90% RH non-condensing; 0,9...1,1 atm; Explosion-safe areas Non-aggressive atmosphere -30...+50 °C for electrochemical sensor -30...+60 °C for optical sensor <b>NOTE!</b> We offer technical solutions for extreme humidity, please ask for more information.

### Wall mount version



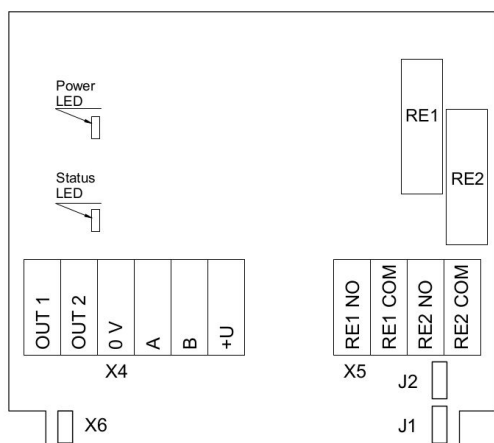
### Duct mount version



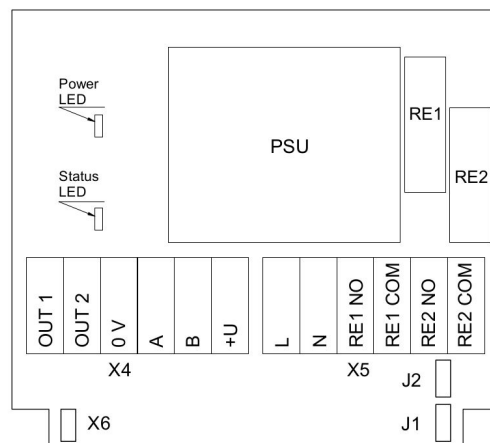
Ask for other versions or custom designed products



## Connection diagrams

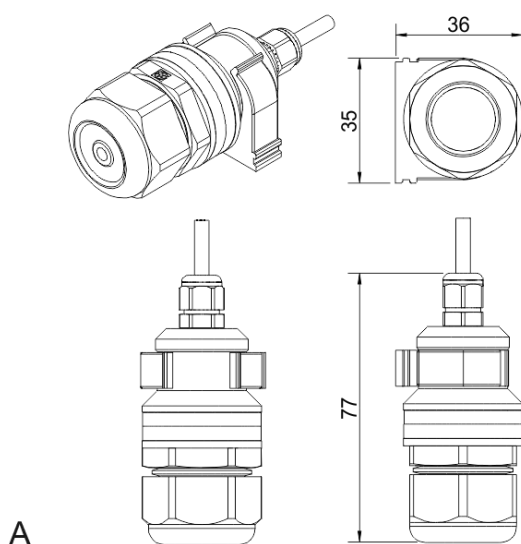


Version without PSU



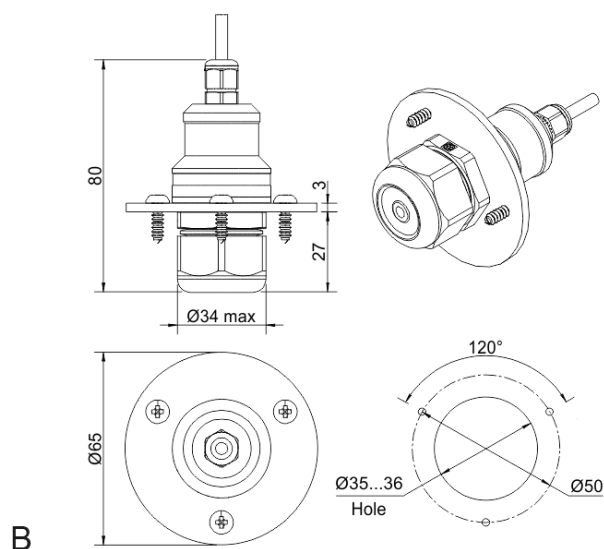
Version with PSU

## Remote probe



A

Wall mount remote probe with fixing clamp (default version)



B

Remote probe with rubber flange and three self-tapping screws (on request)

