

OxyTrans-PSS

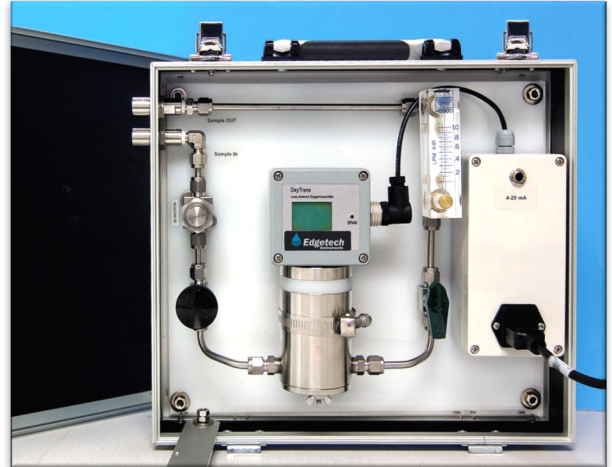
Portable Oxygen Transmitter

The Edgetech Instruments OxyTrans-PSS is a portable oxygen transmitter that is fast responding, accurate and is capable of measuring oxygen at trace or percent levels. The OxyTrans-PSS has the capability of measuring oxygen between 0 and 10,000 ppm or 0 and 25%. It offers ease of operation with a large readable LCD display and a durable aluminum case that protects the measuring equipment during transport.

For the oxygen concentration there is a 4 to 20 mA output standard. A Data Logger with 30,000 readings and USB connection is an optional feature. The OxyTrans-PSS uses a special micro-fuel cell to measure the oxygen concentration.

The sensor meets the industrial requirements for accuracy, sensitivity, ease of use and has a long operating life. A known calibration gas should be used when calibrating the OxyTrans-PSS at trace oxygen levels. The stainless steel measuring cell is modular. A defective measuring cell can be repaired by replacing the cell only, rather than the complete unit.

Edgetech Instruments' services are performed in the USA at their modern, well-staffed, ISO/IEC 17025:2017 accredited, ISO 9001:2015 registered manufacturing facility. All recertifications and calibrations are traceable to NIST.



The OxyTrans - PSS

Applications:

- Semiconductor Industry
- Gas Manufacturers
- Metallurgical Industries
- Chemical Industry

Benefits:

- Compact Economic Instrument
- Sensor with Long Operating Life
- Set Range

Options:

- Sampling Pump
- Battery Powered
- Data Logger with 30,000 readings and programmable Intervals

 **Edgetech Instruments**

ISO 9001:2015 Registered

ISO/IEC 17025:2017 Accredited

Technical Specifications

Measuring Ranges:

- 0 to 10 ppm, 0 to 100 ppm, 0 to 1000 ppm, 0 to 10000 ppm, 0 to 25%

Calibration:

- With calibration gas (ppm) or air (%)

Accuracy:

- $\pm 2\%$ FSD (T = constant), $\pm 5\%$ FSD over full temperature range (bei 0 - 10 ppm ± 1 ppm)

Resolution:

- 0.1 ppm oxygen

Response Time:

- 90% of FSD at 25°C, 0 to 10 ppm < 45 seconds

Operating Temperature:

- 0 - 50°C

Pressure:

- 0.1 to 1 bar

Outputs:

- Loop powered 4 to 20 mA/dc

Display:

- LCD display

Power:

- 85 to 230 Vac, 44/60 Hz
- Optional: Battery powered

Oxygen Sensor:

- Micro-Fuel Cell

Sensor Warranty:

- 6 months under normal use and maintenance

Expected Sensor Life:

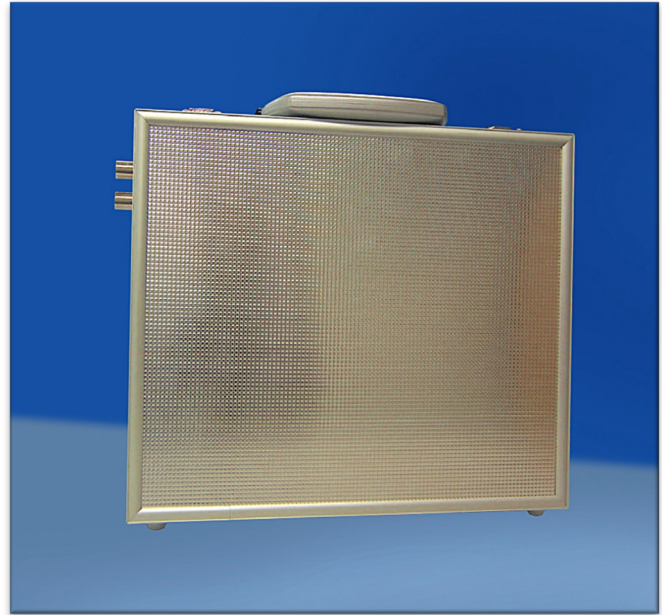
- Up to 2 years

Dimensions:

- 344 x 304 x 100 mm (W x H x D), 13.78 x 12 x 3.94 in. (W x H x D)

Weight:

- 8.82 lb. (4 kg)



The OxyTrans-PSS case

