

# OxyTrans-PSS

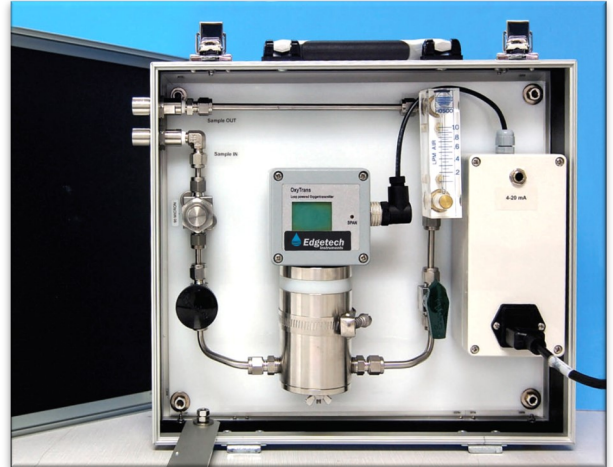
## Portable Oxygen Transmitter

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 20mA 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 O<sub>2</sub> 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 17025:2005 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 17025:2005 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  $\pm 1$  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:**

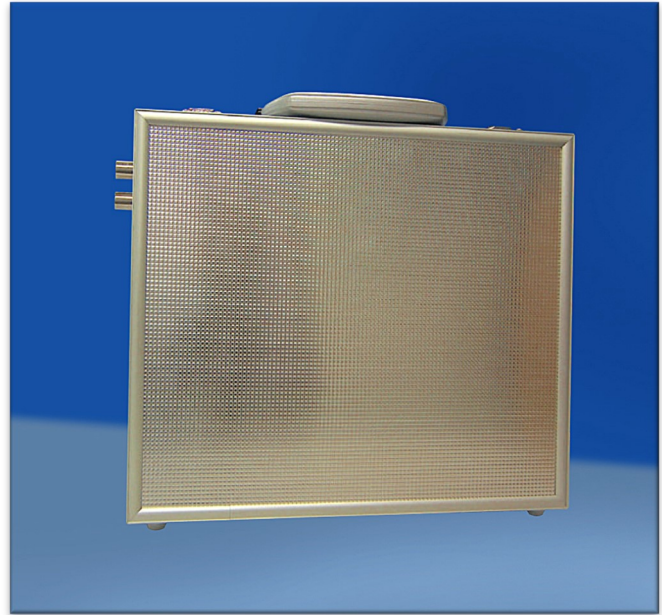
- Up to 2 years

**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

