**FEATURES**

- Luminescence–based optical technology, NOT electrochemical
- Contains no hazardous materials; RoHS & REACH compliant
- Connects directly to a microcontroller without any additional circuitry
- Factory calibrated
- High accuracy
- Maintenance free

**OUTPUT VALUES**

- **Oxygen range**: 0—25% O₂
- **Oxygen pressure range**: 0—300mbar ppO₂
- **Response time**: T90 < 30s (typical)
- **Accuracy**:
  - ppO₂: < 2% FS
  - Temperature: Indication only
  - Pressure: ±5mbar
  - O₂: Determined by ppO₂ & pressure accuracy
- **Resolution**:
  - ppO₂: 0.1mbar
  - Temperature: 0.1°C
  - Pressure: 1mbar
  - O₂: 0.01%
- **Lifetime**: > 5 years

**NOTES**

- The sensor housing can be cleaned using a damp cloth. Do NOT immerse the sensor in any cleaning media.
- At ambient conditions. All performance measurements are at STP unless otherwise stated. Following extreme temperature fluctuations, re-calibration may be required.
### OUTLINE DRAWING

All dimensions shown in mm. Tolerances = ±0.5mm.

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### ELECTRICAL INTERFACE

**CONNECTION:** Four gold-plated pins (0.64mm²) on a 2.54mm grid for PCB mounting via sockets or hand soldering using no-clean flux.

**NOTE:** Do NOT put the sensor through a PCB washing process.

**NOTE:** Always apply power to sensor pins 1 and 2 before attempting to communicate on pins 3 and 4.

The sensor should be treated as an electronic component and handled using the correct ESD handling precautions.

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### SENSOR CONSTRUCTION

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### ORDER INFORMATION

Specify the part number below when ordering:

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L O X - 0 2 - S
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### CAUTION

Do not exceed maximum ratings and ensure sensor(s) are operated in accordance with their requirements.

Carefully follow all wiring instructions. Incorrect wiring can cause permanent damage to the device. Do NOT use chemical cleaning agents.

Failure to comply with these instructions may result in product damage.

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### INFORMATION

As customer applications are outside of SST Sensing Ltd.’s control, the information provided is given without legal responsibility. Customers should test under their own conditions to ensure that the equipment is suitable for their intended application.

For technical assistance or advice, please email: technical@sstsensing.com

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**General Note:** SST Sensing Ltd. reserves the right to make changes to product specifications without notice or liability. All information is subject to SST Sensing Ltd.’s own data and considered accurate at time of going to print.