



Aegis Optode Engine (OE) For Continuous Oxygen Measurement



- Oxygen Tension
- 0 to 500 mmHg
- No Calibration

The Optode Engine (OE) gives OEMs an easy integration path for adding continuous PO₂ measurements to patient monitoring equipment. The OE controls all interfacing and data processing for the Aegis Oxygen Sensor.

The small size of the OE, together with its low power and easy integration, makes adding continuous, real-time PO₂ measurements an easy addition for any OEM.

Better patient surveillance. Better outcomes. Aegis.

Technical Specifications

- **Size**
3.3" x 2.5" x 0.5"
- **Power**
5v at 100mA
- **Communications**
3-wire SPI
Packetized
CRC16

PO₂ Measurement

- **Rate**
1 per second
Programmable
- **Averaging**
Programmable
- **Range**
0 to 500 mmHg
- **Accuracy**
±1 mmHg or ±1%,
whichever is greater
- **Error Detection**
Continuous detection
10 different checked
conditions

Temperature Measurement

- **Rate**
1 per second
- **Averaging**
Fixed
- **Range**
5 to 45°C
- **Accuracy**
±0.2°C
- **Error Detection**
Continuous detection
3 different checked
conditions