

# R-23 Oxygen Sensor



Teledyne's R-23 offers long life and fast response. Specifically designed to meet the demanding requirements of monitoring oxygen

levels in medical applications, this sensor is resistant to the effects of anesthetic agents as well as Nitrous Oxide.

Best of all, the R-23 can result in substantial savings over the original equipment sensor it replaces thereby offering versatility, longer life, and cost savings required by hospital cost savings programs.

The R-23 Dual Cathode Oxygen Sensor is a recommended replacement for

- Dragerwerke 68-50645, 68-03290,
- Hewlett Packard 15201A
- North American Drager 68-50645
- P.P.G. 505055-001
- Oxitron 3710
- Datex/Ohmeda 6850260, 0237-2034 -700

## Specifications

Measurement range:	0 – 100% O <sub>2</sub>
Output current:	30 ±6 µA each cathode
Response time:	<20 seconds to 90%
Accuracy:	±1% O <sub>2</sub> over 0 – 100% O <sub>2</sub> Measurement range when calibrated @ 100% O <sub>2</sub>
Operating temperature:	5 – 40°C
Operating humidity:	Up to 99% RH (non-condensing)
Sensor expected life:	≥500,000 O <sub>2</sub> percent hours
Interference:	Less than 0.5% response to: 10% CO <sub>2</sub> balance N <sub>2</sub> 80% N <sub>2</sub> O balance N <sub>2</sub> / 7.5% Halothane balance N <sub>2</sub> 7.5% Isoflurane balance N <sub>2</sub> / 7.5% Enflurane balance N <sub>2</sub> 9% Sevoflurane balance N <sub>2</sub> / 20% Desflurane balance

**Built for reliability and performance**

## TELEDYNE ANALYTICAL INSTRUMENTS

A Teledyne Technologies Company  
16830 Chestnut Street  
City of Industry, California 91748, USA

TEL: 626-934-1500 or 888-789-8168  
FAX: 626-934-1651 EMAIL: ask\_tai@teledyne.com  
[www.teledyne-ai.com](http://www.teledyne-ai.com)

## Warranty

Instrument is warranted for 1 year against defects in material or workmanship

NOTE: Specifications and features will vary with application. The above are established and validated during design, but are not to be construed as test criteria for every product. All specifications and features are subject to change without notice.

