



Electro Optical Components, Inc.

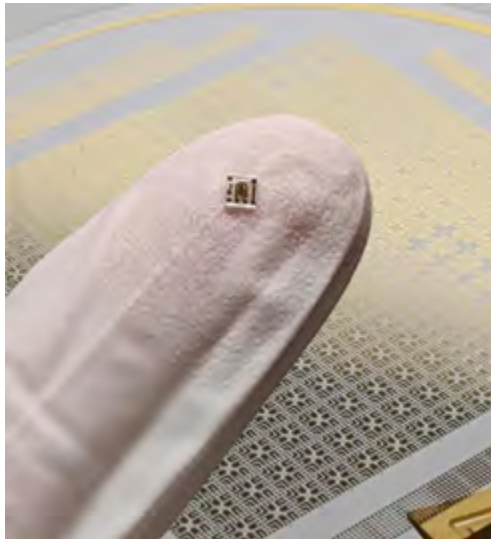
5464 Skylane Boulevard, Suite D, Santa Rosa, CA 95403

Toll Free: 855-EOC-6300

www.eoc-inc.com | info@eoc-inc.com



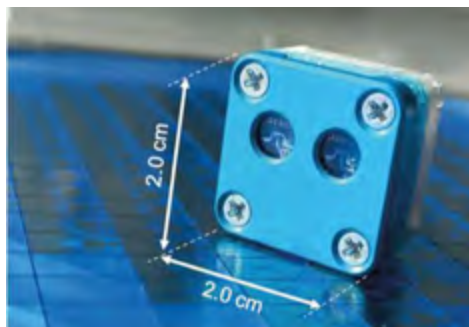
Faraday-Ox: The world's smallest oxygen gas sensor ever made



Current specifications

- Solid-state oxygen gas sensor (lead-free)
- Electrochemical sensing on a chip
- 0...25% O₂ sensor range
- 2.5 x 2.5 mm footprint (5 x 5 mm with electronics)
- <5 μW power consumption (during use)
- -20...80 °C range
- Up to 5-year lifetime
- Designed for high-volume applications.
- Easy to integrate
- Ultrafast response times

Ready for Testing 2024
Order our Eval-Kit

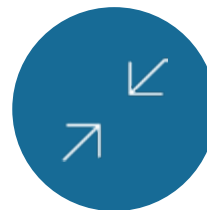


Digital O₂ Monitor

Advantages vs other Technologies



>10x
lower cost



>100x
more compact



>20x
lower power consumption

We offer the world's *first electrochemical gas sensors on a MEMS-like chip*. **Faraday-Ox** boasts the advantages of traditional electrochemical oxygen sensors, such as selectivity and reliability, but with longer lifetimes, a much smaller footprint, and at a fraction of the cost. This is the first truly scalable electrochemical gas sensing technology for **billions of IoT and wearable devices**.



Consumer Electronics



Food & Beverage



Healthcare



Energy



Oil & Gas

About Faradaic Sensors

We specialize in technology needed to make electrochemical gas sensors small. Our mission is to miniaturize the most trusted and widely used gas-sensing technology to date—electrochemical gas sensing—onto a microchip for the first time. In this way, we offer device makers a reliable gas-sensing technology that is small and cost-effective enough for their devices. With our products, we enter emerging markets where existing gas-sensing technology falls short.