



OxyLite™

In vivo and in vitro oxygen monitoring



- Tissue Hypoxia / Ischemia
- Hypoxic Tissue Culture
- Tissue Engineering

Key Benefits

The easiest-to-use dissolved oxygen monitor in the world

No calibration procedures, no sensor drift, no obligatory PC/software interface, oxygen partial pressure displayed in absolute units of mmHg provides a direct readout of oxygen availability to cells and tissue.

No oxygen consumption

Zero oxygen consumption at the point of measurement, thus innately suitable for continuous and absolute oxygen sensing, even under conditions of extreme hypoxia.

Microchip sensors

Purpose-made, factory-calibrated microchip connectors provide unsurpassed ease of use and user convenience by completely eliminating all calibration procedures. Simply 'plug and go'!

Versatility

Full support for both *in vivo* (tissue) pO₂ applications AND measurement of dissolved oxygen *in vitro* (e.g. hypoxic cell culture, tissue constructs, bioreactors and more).

Minimally invasive for in vivo applications

Oxygen sensor diameters range from approximately 230 µm – 750 µm to suit a host of tissue monitoring applications and cause minimal tissue disruption in use.

Multi-parameter monitoring

The OxyLite™ oxygen and temperature monitor is designed to be used in tandem with our OxyFlo™ blood flow monitor, for simultaneous measurements of tissue oxygenation, blood flow and temperature from unique combined sensors.

USB and analogue data outputs

Our monitors offer a choice between a dedicated USB output that supports direct streaming of recordings to a PC (LabChart® Pro required), or analogue outputs for recording via third party data recording systems.

2-year product warranty

Our monitors are provided with a comprehensive 2-year manufacturer's warranty.