

Usability of oxygen sensors with equipment

While the ERC ID21171 properly discusses that usability largely does not apply to the device in question as a component only, usability covers the full life of the product including installation. No evidence has been provided for who the end user would be (technicians) or device installation usability beyond basic review of risk of calibration.

The product concerned is not an instrument. In itself it is a Micro Fuel Cell generating an electrical output directly proportional to the Partial Pressure PPO₂ of Oxygen. This device will do so even when the instrument is disconnected.

It can be used in any instrument which employs a form of metering eg. analogue or digital including a standard digital panel meter.

Like a battery it is easily connected to an instrument. Any installation instructions need to be contained with the associated instrument.

The end user can be anyone in any discipline who requires a measurement or display of oxygen PPO₂.

Although different disciplines and standards throughout the world differentiate between Medical Diving, Industrial, Food, and Automotive most common sensors include a very similar wet component which generates similar outputs with similar connectors. It is therefore not unknown for sensors to be “inappropriately used” yet still function correctly. Taking into account the number of different analysers, monitors, in all disciplines and the continual increase in the number being designed it is impossible to investigate every one. They are treated similar to common batteries.