



EC9031 Oxygen Deficiency Monitor

The EC9031 has been designed with functional safety of paramount importance. EC9031 oxygen deficiency monitors are used for the continuous monitoring of oxygen levels in; MRI facilities and centers, confined work spaces, inert gas storage areas or where low or high levels of oxygen may pose a hazard to personnel.

The EC9031 features adjustable alarm contacts which give early warning of changes in oxygen levels, allowing action to be taken. This O₂ deficiency monitor transmits continuous oxygen concentration levels to any control data acquisition system or programmable logic controller. The EC9031 incorporates a diffusion type electrochemical sensor that does not require sample pumping, making it easy to use and calibrate. The sensor is capable of being mounted remotely from the analyzer.

Specifications

- Gas detected: Oxygen
- Application : Oxygen Deficiency
- Measurement range : 0-30%
- Technology : Electrochemical
- Resolution : 0.01%
- Accuracy : $\pm 0.001\%$
- Response Time : 90% of reading within 20 seconds
- Ingress protection : IP65
- Temperature : 0C – 40C
- 4-20mA, 0-20mA, 0-10mA output capability for remote monitoring
- RS485/Modbus communications

Applications

- MRI Facilities/Rooms
- Breweries
- Soft drink plants
- Carbon Dioxide (CO₂) storage
- Nitrogen plants
- Enclosed work areas
- Welding installations
- Fruit storage facilities

Features

- 4.7" touchscreen with data logging & graphing, event logging
- Two adjustable levels of oxygen with audible & visual alarm
- Sensor life 5 years
- Simple installation
- 3 years warranty
- High accuracy
- IP65 Wall Mounting enclosure with optional wall bracket
- Pressure compensated
- Datalog/Graphing
- Oxygen, Temperature & Pressure continuously measured
- All measurements are stored with date & time
- Sensor life warning
- All user functions through touchscreen display, including alarm defeat option
- Large and clear Oxygen and system status indication

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