Email : sales@scilabexport.com
Phone: +91-7082934803

Product Name :

Ultrasonic Oxygen Analyzer Handheld

Product Code :

SLE/RAE/19



Science Lab
Email : sales@scilabexport.com
Phone: +91-7082934803

Description :

Ultrasonic Oxygen Analyzer Handheld (Product Code: SLE/RAE/19) is a battery-powered, hand-held instrument used to measure the oxygen concentration and flow rate of gas from a medical gas source, so that biomedical and clinical staff can check the performance of oxygen supply equipment. Its ultrasonic sensor covers 21–96 % O2 with ±3 % accuracy and reads flowup to at least 10 LPM. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**,Ambala, India.

Specifications

Parameter	Detail
Sensing technology	Ultrasonic oxygen sensing with permanent sensing chamber
Measurement modes	Spot-check or continuous measurement
O2 measurement range	Includes 21–96 %
O2 accuracy and resolution	Within ± 3 %; resolution 0.1 %
Flow measurement	Up to at least 10 LPM; accuracy within ± 3 %; resolution 0.1 LPM
Gas supply pressure	Up to 50 psi
Response time	< 30 s
Warm-up time	< 15 s
Calibration	Self-calibration in typical conditions of use
Display	O2 concentration, flow rate, system messages and battery status
Power	2 × AA alkaline replaceable single-use batteries; battery life over 250 hours continuous use; automatic power-off when not in use
Connections	Direct from a medical gas source, or through a gas-flow device such as a ventilator or anaesthesia system with adapters
Product code	SLE/RAE/19
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is a Handheld Oxygen Analyzer Used For?

An oxygen analyzer answers a simple question: is the gas coming out of this outlet what it should be? Biomedical technicians connect it to a concentrator outlet, cylinder regulator or pipeline point, and within 30 seconds it shows the oxygen percentage alongside the flow rate. That makes it useful for routine checks of oxygen concentrators, for commissioning flowmeters and splitters, and for investigating complaints about a supply.

With suitable adapters it can also sample gas passing through a ventilator or anaesthesia system. Because the ultrasonic sensing chamber is permanent and the unit self-calibrates in typical condi
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