

The Tekneka SG1002 Pump Suction Oxygen Gas Detector is a portable oxygen monitoring device for industrial environments. Engineered with a high-performance electrochemical sensor and an integrated sampling pump, it delivers reliable measurements even in confined or hard-to-reach locations. Its IP66-rated enclosure, intuitive color display, and intelligent data logging make it an ideal companion for daily safety inspections. Built to perform in demanding conditions, it offers fast response, dependable accuracy, and user-friendly operation. Whether for routine monitoring or emergency response, the SG1002 ensures confidence in every measurement.

Features

- **High-Precision Electrochemical Sensor** for stable and accurate oxygen measurement.
- **Built-in High-Power Sampling Pump** with a flow rate of 500ml/min for remote and confined-space gas sampling.
- **2.4-inch HD Color LCD** for clear visibility of gas concentration and operating status.
- **Features a Fast Response** time of 30 seconds or less.
- **Supports Real-Time and Fixed-Time** measurement modes.
- **Real-Time & Interval Detection Modes** for flexible monitoring applications.
- **Internal Data Memory** capable of storing up to 30,800 measurement records.
- **Visual, Audible, and Adjustable Alarm System** for immediate hazard notification.
- **Multi-Point Target Calibration** supporting up to six calibration points for enhanced measurement accuracy.
- **IP66 Dust and Water Protection** for reliable operation in harsh industrial environments.
- **3800mAh Rechargeable Lithium Polymer Battery** for extended field operation.
- **Lightweight, Ergonomic Housing** made from durable ABS + PC material for comfortable everyday use.



Applications

The Tekneka SG1002 Pump Suction Oxygen Gas Detector is designed for reliable oxygen concentration monitoring in confined spaces and industrial environments, including chemical plants, oil & gas facilities, laboratories, wastewater treatment plants, food processing units, marine applications, and maintenance inspections. Its built-in pump allows safe remote sampling, helping protect personnel by detecting oxygen deficiency or enrichment levels before entering potentially hazardous areas.

Package Includes

- USB Charger and Cable
- T-Connector
- Device Case



Ordering Info

SG1002..... Pump Suction Oxygen Gas Detector

Technical Specifications	
Gas Detection	Oxygen (O ₂)
Range	0 ~ 30%VOL
Detection Accuracy	≤ ±3% F.S.
Resolution	0.01%VOL
Sampling Method	Built-in Pump Suction
Pump Flow Rate	500ml/min
Linearity	≤ ±2% F.S.
Display	2.4-inch HD Color LCD
Response Time	≤ 30s
Alarm	✓
Data Storage	30,800 Points
Recall Memory	History List/Graph (On Device)
Protection Rating	IP66
Operating Temperature	-20 ~ 50°C
Battery	3800mAh Lithium Polymer
Device/Package	212 x 85 x 70mm/250 x 160 x 100mm
Weight	Device: 500g Package: 1kg