

PRO OX[®]-100 Kit

PROGRAMMABLE DIGITAL OXYGEN MONITOR

STATE-OF-THE-ART
TECHNOLOGY FOR
PRECISE OXYGEN
MONITORING



KIT CONTENTS

- PRO OX[®]-100 Monitor and Sensor
- Polycarbonate Carrying Case
- Neoprene Extension Tubing (5 ft. or 1.5 m) with Quick Connect Fittings
- Stainless Steel Probe
 - » Slender 0.08" (2 mm) Diameter
- Rechargeable Battery & Charger
- USB Cable
- Support Stand
- Phillips Head Screwdriver
- Quick Instruction Card



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MONITOR FEATURES

- 0.01% Oxygen Resolution
- 2 Point Calibration
- Internal Pump
- Data Logging Capability: Accumulates Up to 50 Data Points
- Data Output to Computer for Recording History
- Audiovisual Alarm
- Rechargeable 9V Battery
- One Year Warranty on Unit and Sensor
- Illuminated Display
- Designed for Universal Voltage
- Programmable in Multiple Languages

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Audiovisual Alarm

Oxygen contamination is one of the most common reasons for substandard welds.

Eliminate guesswork by setting the audiovisual alarm to desired O₂ PPM value. The unit will produce an intermittent beep sound simultaneously as a green light flashes. The operator is alerted and can continue evacuating oxygen, reset the alarm or commence welding.



Rechargeable 9V Battery & Charger

Designed For Universal Voltage

The PRO OX[®]-100 is compatible with different voltage and frequency specifications from around the world. It can operate on 100VAC/60Hz, 120VAC/60Hz and 220VAC/50Hz configurations.

- Can be Used Over & Over
- Environmentally Friendly
- Save on Purchases

Factory Certified 2-Point Calibration

- The PRO OX[®]-100 Oxygen Monitor is factory calibrated and certified, accompanied by a dated certificate of authentication
 - » “CAL HI” is the high point calibration and samples ambient air
 - » “CAL LO” is the low point calibration and samples 99.999% argon

CE Designation

- The PRO OX[®]-100 is in compliance with EC Directives

Languages

Besides English, the PRO OX[®]-100 is programmable in three popular languages:

- German
- Portuguese
- Spanish

Simply select the desired language from the menu.

Data Logging Capabilities

Increase Accuracy With Software Reporting

- With the PRO OX[®]-100 you will be able to create permanent records of real time data (at 15 second intervals) of oxygen levels for critical welding operations

Easy-to-Use Conversion Software

- The PRO OX[®]-100 software enables the user to capture and export 50 data points in just clicks to Microsoft[®] Excel and plain text format

Convenient and Quick Data Offload

- The PRO OX[®]-100 offloads data to a PC via a convenient USB interface at a high-speed, ensuring data integrity

Features Two Sampling Modes

SPOT:

- Use this mode if the purging process requires more than 20 minutes to help save battery and time
- Use this mode for simultaneous weld applications

CONTINUOUS:

- Use this mode when permanent records are required (in conjunction with data logging)
- Use this mode when PPM is near required level

AQUASOL 03:37PM
PRO OX-100

AQUASOL 01:51PM
CALIBRATING

HANDHELD OXYGEN MONITOR PRO OX®-100 SPECIFICATIONS

| | | | |
|------------------------|--|---------------------------------|---|
| Measurement Range: | 0.00-21.0% Oxygen concentration by volume | Storage Temperature: | 37.4°-68°F (3°-20°C) |
| Calibration: | CAL HI: 20.9% Oxygen Concentration in Air by volume CAL LO: 99.999% Argon | Sample Flow: | 1.0 LPM maximum |
| Calibration Gas: | Ambient Air and Argon Gas | Sample Pressure: | 10.0 PSI (pounds-force per square inch) maximum |
| Display Resolution: | 0.00-24.99% (2 decimal places LCD) | Power: | One 9V NiMH Cell Battery |
| Accuracy: | @ 99.995% Ar +/- 0.01% | Battery Life: | Up to 2 hours when operating in continuous sampling mode. |
| Response Time: | T ₉₀ <15 seconds | Sensor Type: | Electrochemical Oxygen Sensor |
| Warm Up Time: | Negligible | Sensor Life: | 12 months |
| Humidity: | 0-95% non-condensing | Recommended Calibration Period: | Upon sensor replacement ONLY |
| Operating Temperature: | 32°-122°F (0°-50°C) | PC Connection: | USB Type B |

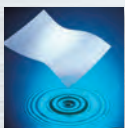
SPECIFICATIONS

PRO OX®-100 Kit Types and Sizes

| ITEM NO. | DESCRIPTION | DIMENSIONS | | WEIGHT | |
|-----------------|---|--------------|-----------------|---------|--------|
| | | ENGLISH (IN) | METRIC (MM) | ENGLISH | METRIC |
| P-OX KIT | PRO OX-100 Oxygen Monitor & Accessories Kit | 11 x 9 x 4 | 279 x 227 x 102 | 4.00 lb | 182 g |
| P-OX KIT Euro | PRO OX-100 Oxygen Monitor & Accessories Kit with European Charger | 11 x 9 x 4 | 279 x 227 x 102 | 4.00 lb | 182 g |
| P-OX Sensor | PRO OX-100 Oxygen Sensor | 1 x 1 | 21 x 20 | 0.03 lb | 16 g |
| P-OX Batt | PRO OX-100 9V NiMH Battery | 2 x 1 x 1 | 48 x 26 x 17 | 0.12 lb | 54 g |
| P-OX Charger/US | PRO OX-100 12V NiMH Battery Charger with US Type Plug | 3 x 2 x 1 | 8 x 60 x 25 | 0.10 lb | 59 g |
| P-OX Charger/EU | PRO OX-100 12V NiMH Battery Charger with European Type Plug | 3 x 2 x 1 | 8 x 60 x 25 | 0.10 lb | 59 g |
| P-OX USB | PRO OX-100 USB Cable (72" or 1.8 m) | 4 x 4 x 1 | 102 x 102 x 25 | 0.11 lb | 50 g |

For additional product information, quotations and ordering, please contact:

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