MADE IN THE USA

PRO OX®-100 Kit

PROGRAMMABLE DIGITAL OXYGEN MONITOR

US & FOREIGN PATENTS ISSUED



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

100 PPM

CE APPROVED

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

Aquasol CORPORATION

aquasol**welding**.com

PRO OX®-100 Kit

PROGRAMMABLE DIGITAL OXYGEN MONITOR



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 O_2 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.

Rechargable 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





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HANDHELD OXYGEN MONITOR PRO OX®-100 SPECIFICATIONS

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