PRO OX®-100 Kit

PROGRAMMABLE DIGITAL OXYGEN MONITOR

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

Power Switch
Turns Monitor On / Off.

Digital Backlit Display
Window provides accurate, easy-to-read display in a well lit or dark environment

Model No.

Light Indicator
of Visual Alarm

Operation Control Keypad

Monitor Housing

Quick Connect
Male fitting for neoprene tubing

Battery Indicator
Signals the need to recharge or replace batteries.

Ergonomic Design
Easy to grip and fits into the palms of most hands

PRO OX-100

ALARM

MENU   ENTER
         AUTO CAL

←   →
SPOT   CONT

Aquasol
CORPORATION
AQUASOLWELDING.COM
MADE IN USA

0.01%
OXYGEN RESOLUTION

MONITOR FEATURES

- 0.01% Oxygen Resolution
- Automatic Self 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

Self-Calibrating and Certified

- The PRO OX®-100 Oxygen Monitor is factory calibrated and certified, accompanied by a dated certificate of authentication

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

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

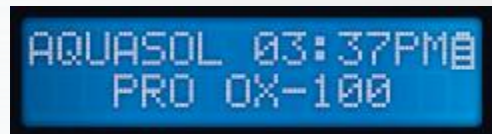- The PRO OX®-100 offloads data to a PC via a convenient USB interface at a high-speed, ensuring data integrity

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

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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:	20.9% (Oxygen concentration in air)	Sample Flow:	1.0 LPM maximum
Calibration Gas:	Ambient Air	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:	Weekly, dependent upon use
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