

# PRO OX<sup>®</sup>-100 Kit

PROGRAMMABLE DIGITAL OXYGEN MONITOR

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



## KIT CONTENTS

- PRO OX<sup>®</sup>-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



# PRO OX<sup>®</sup>-100 Kit

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## 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



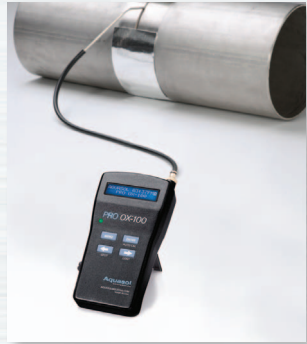
# PRO OX<sup>®</sup>-100 Kit

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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<sub>2</sub> 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<sup>®</sup>-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<sup>®</sup>-100 Oxygen Monitor is factory calibrated and certified, accompanied by a dated certificate of authentication

## CE Designation

- The PRO OX<sup>®</sup>-100 is in compliance with EC Directives

## Languages

Besides English, the PRO OX<sup>®</sup>-100 is programmable in three popular languages:

- German
- Portuguese
- Spanish

## Data Logging Capabilities

### Increase Accuracy With Software Reporting

- With the PRO OX<sup>®</sup>-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<sup>®</sup>-100 software enables the user to capture and export 50 data points in just clicks to Microsoft<sup>®</sup> Excel and plain text format

### Convenient and Quick Data Offload

- The PRO OX<sup>®</sup>-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:	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 <sub>90</sub> < 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