



# PRO PURGE 1 WELD PURGE MONITOR

Measures oxygen levels down to 0.00005% (0.5ppm)

## The top of the range portable, digital oxygen monitor

- Accuracy to 0.5 ppm
- Temperature regulated maintenance free zirconium cell
- Graphic display (blue and white)
- Built-in recognition for 110V/240V power sources
- Internal battery power for up to 90min
- Integrated programmable sound function
- Date and time function for data logging
- Easy to use software
- Low permeability measure hose (FPM) for accurate measurements
- Connects via RS 232 interface, Bluetooth, CAN-Bus, AUX (AMI)
- Can be calibrated to ambient oxygen
- Software updates available
- Multi language: English, French, German, Dutch, Czech, Danish
- Data logging up to 250 entries internally or externally on a PC

The Pro Purge 1 Weld Purge Monitor is the ideal tool for many welding applications where critical weld standards are required.

Used for Production of Semi-conductors, Nuclear, Aerospace, Pharmaceutical, Energy, Dairy, Brewery and Food processing where strict welding guide lines to eliminate weld-quality issues associated with atmosphere contaminated welds are required.

The Pro Purge 1 Weld Purge Monitor enables Welders and Welding Engineers on site or in the workshop to precisely monitor rest oxygen levels to the point where precision welding can take place, resulting in "perfect conditions" for consistent high-quality repeatable welds.

The Pro Purge 1 Weld Purge Monitor contains a stabilized zirconium oxide cell with a regulated heater to maintain a cell temperature of 750°C which enables it to accurately measure levels from 206,400 ppm down to as low as 0.5 ppm.

The zirconium oxide ceramic sensor in the Pro Purge 1 provides very accurate readings, with a deviation of less than 5% in the 1 to 10 ppm range. This means that its resolution is ½ a part per million (0.5ppm).

The Pro Purge 1 Weld Purge Monitor can be unplugged for up to one hour, before the internal battery must be recharged. Making it ideal for testing weld joints in the shop, or in the field.



Connected via a Bluetooth Dongle with a range of up to 100m to a mobile phone.

Via the phone all relevant data including rest oxygen level, sensor temperature will be displayed. Using simple commands the PRO PURGE 1 can be operated remotely.



Connecting a printer via the RS232 interface. Capable of readout documentation (per second) that can be logged via a printer.

TECHNICAL DATA	
Part No	PP1
Measuring Range	0.5 - 206,400ppm
Dimensions	8" x 6" x 3" 220 x 165 x 85 mm
Weight	7 lbs. / 3.3 kg
Supply Voltage	110V/240V