



Reads down to 1 ppm

This **Argweld® PurgEye® 200 IP65** hand held model now with PurgeNet™ reads down to 1 part per million (ppm), (accurate to 10 ppm).

This low cost unit has made several breakthroughs in design and development technology in weld purge monitoring.

Being rechargeable battery operated as well as mains powered and hand held, this is an excellent portable unit for use on construction sites where stainless-, duplex- and chrome-steel as well as titanium and nickel alloy tubing or pipe is being welded.

Equally, this can be used in workshops where the hand held feature is valuable, along with the desire to obtain readings as low as 1ppm.

The **PurgEye®** Family Range of Weld Purge Monitors® have become the standard instruments of today, recognised and used by most companies who need to produce quality weld joints.

PurgEye®, a Family Series of **Weld Purge Monitors®**, helping customers to keep your 'Eye' on the Purge!

MAIN FEATURES:

- Internal electro-mechanical pump with 1 l/m flow rate.
- USB lead included to control PurgeLog™ software.
- IP65 rated.
- Long life, faster response sensor.
- Internal rechargeable battery or mains power operated.
- Battery life up to 10 hours.
- Hand held easy to use instrument.
- Warning alarm levels between 1 and 999 ppm.
- Flow detection for accurate reading of gas samples.
- Outstanding protection against HF interference.
- Large character OLED screen for easy reading.
- Power on / off with standby button for sensor warm up.
- Can be charged by plugging directly into mains power with charging lead or optional charging dock.

TECHNICAL DATA and SPECIFICATION

Can be used with any tube or pipe weld purging system, any weld purging chamber or weld purging enclosure.

Accuracy range:

Measuring 1000 down to 1 ppm oxygen.
Accuracy: = $\pm 0.002\%$.

Power: 90/250V single phase 50hz or 60hz A.C. supply or internal battery pack.

Auto Power-Off

If the **PurgEye® 200 IP65** is left with an over-range reading for more than 15 minutes, then it will automatically turn off to conserve battery power.

Warning Alarm

The Warning Alarm can be set to any level between 1 and 999 ppm and has both audible and visual indication when the alarm threshold is exceeded.

Power On/ Off

If the **PurgEye® 200 IP65** is off, then pressing the standby button will switch it on and it will start the sensor warm-up procedure. The **PurgEye® 200 IP65** can be turned off by holding the standby button for approx. 10 seconds or until it turns off.

Integral Sample Pump

The **PurgEye® 200 IP65** is equipped with an internal electro-mechanical sampling pump that can be switched on and off as needed. An alert icon flashes in the event of insufficient gas flow.

Alarm Mute

An alarm mute facility can be switched on and off as required.

Alarm ▲ and Alarm ▼ Buttons

Pressing either of the alarm buttons will display the current alarm threshold setting. When the alarm threshold is displayed, the first digit will flash, pressing either of the alarm buttons at this point will increase or decrease the value of the flashing digit.

Guaranteed accuracy

The **PurgEye® 200 IP65** Weld Purge Monitor® indicates oxygen levels from 1000 down to 1 ppm (0.0001%) accurate to 0.002% of reading, so use an **Argweld® PurgEye®** Weld Purge Monitor® everytime for guaranteed accuracy of oxygen indication to allow a weld start with minimal risk of oxidation.

Large Character OLED Screen

The large OLED screen allows the reading to be easily read and is mainly symbol rather than text based. The OLED display does not need a backlight and can be viewed from greater angles than LED screens.

PurgeNet™ facilities:

1. Control of welding power sources such as orbital welders and any other automatic welding systems to switch on and off according to oxygen values.
2. Use of **PurgeLog™** software to transfer weld purge data for quality control of welds.

Notes: **PurgeLog™** software provided free with instrument.



Low battery Indicator

Low battery icon allows 20 minutes work before recharging is necessary.

Warming up icon

The wait icon displays 1,2,3,4 flashing bars to show progress of warm up.



Alarm Icon

Alarm icon flashes when preset oxygen level is exceeded.

PPM / Percentage oxygen level icon

Oxygen level displayed in parts per million (ppm) or percentage (%) at the touch of a button.

Flow detection icon

The flow warning exclamation icon will be displayed whenever the flow of sample gas drops below the minimum flow rate required for an accurate reading.

Blocked filter icon

The alert icon, indicates when there is insufficient flow of purge gas which could be caused by a blocked filter.

