

# WELD PURGE MONITOR®

## PurgEye® 1500 Site IP68

with PurgeNet™

### Reads down to 1 ppm



The **PurgEye® 1500 Site IP68** is a portable, 1ppm Oxygen Weld Purge Monitor® integrated into a robust case. Specifically designed for use in rugged site conditions.

This model has an internal battery that allows it to be used for 10 hours out on site before recharging is necessary. The monitor can also be plugged into mains electricity for use in a workshop and for recharging the battery.

The **PurgEye® 1500 Site IP68** has a solid state, long life sensor of a unique design with a much faster response time and high stability of readings. It will give readings down to 1 ppm with a high accuracy down to 10 ppm.

The monitor is integrated in a conveniently sized case which seals to IP68 standard, then, when in use, the lid is merely opened so that the monitor can be connected to the exhausting purge gas supply.

The new, ultra sharp image OLED screen is conveniently angled in a purposely moulded box to to be seen from all positions. The OLED screen does not need a backlight.

#### MAIN FEATURES:

- Internal electro-mechanical pump with 3 l/m flow rate.
- USB lead included to facilitate the downloading of purge data to a PC.
- IP65 rated with the lid open, IP68 with lid closed.
- Long life, faster response sensor.
- Internal rechargeable battery or mains power operated. Recharging carried out via PurgeNet™.
- Battery life up to 10 hours.
- 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.

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

## TECHNICAL DATA and SPECIFICATION

Can be used in conjunction 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: =  $\pm 0.002\%$  (to 10 ppm).

**Power:** rechargeable, 10 hours battery pack or mains electricity 90/250V single phase AC 50/60 Hz.

### Auto Power-Off

If the **PurgEye® 1500 Site IP68** 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® 1500 Site IP68** is off, then pressing the standby button will switch it on and it will start the sensor warm-up procedure. The **PurgEye® Site** can be turned off by holding the standby button.

### Integral Sample Pump

The **PurgEye® 1500 Site IP68** 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® 1500 Site IP68 Weld Purge Monitor®** indicates oxygen levels from 1000 down to 1 ppm (0.0001%), 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

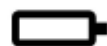
The large OLED screen allows the display to be easily read and is mainly symbol rather than text based. The OLED display does not need a backlight and can be viewed from greater angles than LED screens.

### 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.
3. Connection of other smart accessories for weld purging.

Notes: PurgeLog™ software provided with the instrument.

Accessory interface cables need only be purchased when required.



### Low battery Indicator

Low battery icon allows 20 minutes to re-charge batteries.



### 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.





The **PurgEye® 1500 Site IP68 Weld Purge Monitor** can be used as a continuously reading instrument with free flow of the purge exhaust gas across the sensor, or as a sampling instrument with the integral electro-mechanical vacuum pump.



### Carrying case

- Virtually indestructible casing.
- IP65 when lid open, IP68 when lid closed.
- Compact and small.

### SHIPPING DETAILS

The **PurgEye® 1500 Site IP68 Weld Purge Monitor** is shipped integrated into a new, low volume, ergonomically designed, robust carrying, presentation and storage case to maintain the instrument in good condition and to keep it together with all accessories.

### Carrying case dimensions:

Shipping dimensions: 380 x 100 x 300 mm  
 Nett weight: 2.0 kg  
 Volumetric weight: 2.28 kg

### Supplied with:

- PurgeNet™ adaptor for charging with International multi-plug options.
- Filter with length of green tube.
- Calibration and quality control test certificate.
- User instruction booklet.

### Optional items:

- PurgeNet™ automatic welding machine interface.
- PurgeNet™ traffic light visual warning accessory.
- Dew Point Monitor.

### Traffic Light accessory:

- Diameter 40 mm.
- Mounted height 165 mm.
- Standard part with optional green light.
- Fixing nut.





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## ARGWELD® PURGEYE® FAMILY RANGE OF WELD PURGE MONITORS®

Huntingdon Fusion Techniques HFT® is the only company to have a complete 'Family' Series of Weld Purge Monitors®. Pioneering the way in weld purging technology where real science has been used to create a family range to suit all weld purging, purity levels and budgets.

### The PurgEye® 'Family' series includes:

- **PurgEye® 100 IP65** for levels from 20.94% to 0.01% (100 ppm).
- **PurgEye® 200 IP65** with PurgeNet™ battery or mains with flow detection for accurate reading of gas samples.
- **PurgEye® 300 Nano** low cost entry level model for 1000 to 10 ppm.
- **PurgEye® Desk** with PurgeNet™ like the 300 and including an integral pump.
- **PurgEye® 600 Touch** fully computerised colour touch screen model with wireless USB download of recorded data from 1000 ppm down to 10 ppm.
- **PurgEye® 1000 Remote** with PurgeNet™, Remote Weld Purge Monitor®. The 10 ppm sensing head can monitor up to 1 km away.



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## HUNTINGDON FUSION TECHNIQUES HFT

### Other HFT® Weld Purging Products

Argweld® Inflatable Tube Pipe & Pipeline Weld Purging Systems  
 Argweld® PurgEye® Weld Purge Monitors®  
 Argweld® Weld Purge Film® & Weld Purge Super Adhesive®  
 Argweld® Weld Backing Tape™ & Weld Purge Tape™  
 Argweld® Weld Trailing Shields®  
 Argweld® Flexible Welding Enclosures®  
 Argweld® Weld Purge Plugs™ & Orbital Welding Plugs  
 Techweld® MultiStrike® Tungsten Electrodes

### Our HFT Pipestoppers® Division

Nylon, Aluminium, Steel and Rubber Pipe Plugs and Inflatable Stoppers