WELD PURGE MONITOR®

PurgEye® 200 IP65

with PurgeNet™

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:

- With PurgeNet™ for controlling welding power sources such as orbital welders and other automatic welding systems.
- Reads from 1,000 ppm down to 1 ppm (accurate to 10 ppm).
- Internal electro-mechanical pump with 1 l/m flow rate.
- USB lead included to control PurgeLog™ software.
- IP65 rated and 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 or optional charging dock.

HUNTINGDON FUSION
TECHNIQUES ■ HFT

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: = ± 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 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.

The **PurgEye® 200 IP65** 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.

PurgEye® 200 complete with charging dock accessory.

The **PurgEye® 200 IP65** Weld Purge Monitor® is shipped in 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.

Storage Carry Case dimensions: 377 x 322 x 95 mm.

Shipping dimensions: 380 x 100 x 300 mm
Netto weight: 2.0 kg
Volumetric weight with case: 2.28 kg

Actual Instrument dimensions:

Height: 7" (175 mm).

Width 3.5" (88 mm).

Depth (at deepest point): 1.5" (38 mm).

Actual Instrument weight:

400 gms.

Supplied with:

- Storage case.
- PurgeNet™ adaptor for charging with International multi-plug options.
- Sample tube set with filter.
- Calibration and quality control test certificate.
- User instruction booklet.

Optional items:

- Battery charging dock.

ARGWELD® PURGEYE® FAMILY RANGE OF WELD PURGE MONITORS®

The PurgEye® 200, 500 Desk, 600, 1500 site and 1000 Remote Weld Purge Monitors® have:

- OLED screen with stunningly clear, bright figures and text.
- User settable, warning alarm levels, between 1 and 999 ppm.
- Reading from 1000 ppm - 1 ppm.
- Reads accurately to 10 ppm.
- Audible alarm to indicate low and high levels of oxygen.
- User port with two outputs to control welding equipment or activate alarms in the event of a rise in oxygen levels.
- Internal sampling pump with gas filtration.
- USB lead included to control PurgeLog™ software.
- PurgeLog™ data logging software* included.
- Leak tight fittings.
- Long life, faster response sensor.
- Internal alarm.
- Quick fit and quick disconnect 'leak tight' purge tube fittings.
- No more wet cells to keep replacing and recalibrating.

The World standard PurgEye® 100 IP65 Hand Held Weld Purge Monitor®

- Push button 'Auto Calibration' feature at ambient (20.94%).
- Leak tight probe assembly.
- Low battery and low sensor indicator.
- Longer life sensor, 18 months approx.
- Quick connect/disconnect leaktight fittings for gas purge tubing.
- Tripod mount.

PurgEye® 300 Nano

- Low cost, small, lightweight "Entry Level" 1ppm Monitor®.
- Mains only.
- Operating voltage 110/230V single phase 50/60Hz.
- Supplied with an external 12V power supply unit (PSU). Input voltage range 90 to 260 AC.

PurgEye® 500 Desk with PurgeNet™

- Reads PPM or Percentage.
- Mains Operated.
- Supplied with an external 12V power supply unit (PSU). Input voltage range 90 to 260 AC.

PurgEye® 600 Touch Screen with PurgeNet™

- Reads PPM or Percentage.
- Large touch screen with on-screen graph of the current weld.

PurgEye® 1000 Remote with PurgeNet™

- Hand held display and a 10m lead as standard.
- Optional 100m reel of outdoor cable with locking connectors.
- Reels of extensions cable can be connected for leads upto 1 km!
- Easy to pull through pipes.
- 1" ø stainless sensor holder to place at the weld site inside pipes to send purge data to the monitor up to 1km away.
- Battery operated or optional docking station for charging the battery.
- The unit will run from 100 - 250 volts, 50 or 60 hz supply.

PurgEye® 1500 Site IP68 with PurgeNet™

- IP65 with the lid open, IP68 with lid closed.
- Flow detection for accurate reading of gas samples.
- Power on / off with standby button for sensor warm up.
- Internal rechargeable battery or mains power operated.
- Recharging carried out via PurgeNet™.

Made in Wales
'Manufacturer of the Year'
&
Welsh Business Awards
'Exporter of the Year'

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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