



WELD PURGE MONITOR[®]

PurgEye[®] 500 Desk

Frequently Asked Questions

with PurgeNet[™]

1. What is the intended application for the Argweld[®] PurgEye[®] 500 Desk ?

This model is for in house/in factory use for weld purging of Welding Chambers and Enclosures of all kinds as well as tube and pipe welding production and verification of source gas quality.

These applications demanding extremely accurate readings from 1000 parts per million (ppm) down to 10 ppm, such as welds made in titanium, duplex, nickel alloys and high specification stainless steels.

For companies which may need to produce quality control documentation to show which oxygen levels were present during various stages of the welding and post purging cycle.

The software allows the user to plot oxygen reading against time, save the information to hard drive and print the data as required.

2. What is the measuring range of the PurgEye[®] 500 Desk?

The PurgEye[®] Desk will measure down to 1 ppm and it is highly accurate down to 10 ppm.

3. What sort of sensor is used in the PurgEye[®] 500 Desk Weld Purge Monitor[®]?

The PurgEye[®] Desk Weld Purge Monitor[®] uses a solid state long life sensor of a unique design. It has a very much faster response time and much greater stability in the readings.

4. My company needs a calibration certificate for all instruments. How do I obtain one?

Huntingdon Fusion Techniques HFT[®] has several repair and recalibration facilities around the world. Contact us and we'll refer you to the closest centre.

5. What is the length of the green connecting tube from the PurgEye[®] 500 Desk?

The PurgEye[®] 500 Desk comes with a 1m green inlet tube with a replaceable filter. The end nearest the filter goes into the green port of the monitor and the other end connects with your purge gas exhaust.

6. Is the PurgEye[®] 500 Desk sensitive to electrical disturbances?

Each instrument has shielding to prevent most forms of interference.

Quality control test and inspection criteria are designed to account for as many variables as possible.

It is extremely rare that electrical interference will affect the monitor.

7. I need to detect oxygen level in pipes pre-heated to 300°C (572°F). Can I use the Argweld[®] PurgEye[®] 500 Desk under these conditions?

The Argweld[®] Weld Purge Monitor[®] should not be exposed to gas at a temperature above 50°C (122°F). In the event that your purging gases are raised in temperature above this level, HFT[®] can advise you of ways to cool the gas.

8. What is the integral pump for?

Where there is insufficient flow of the exhausting weld purge gas, the PurgEye[®] 500 Desk with its integral pump will extract the exhausting gas at a precise rate and draw it across the sensor, prior to discharging it to atmosphere.

9. What is an OLED screen?

The OLED (organic light emitting diode) display, will give brighter, clearer and sharper readings for viewing at greater distances and at wider angles than LED displays used by other monitors. These OLED displays are mainly symbol based not text based, which means menus are easily understandable no matter what language the user speaks. This screen doesn't need a backlight.

10. Can Weld Purge Monitors[®] only be used when purging with argon?

The PurgEye[®] Weld Purge Monitors[®] measure the oxygen level within any gas, not only inert gases. They can be used to monitor the oxygen level when using inert gases such as argon and helium and also non-inert gases including nitrogen and nitrogen/hydrogen mixes.

11. What is PurgeNet[™]?

PurgeNet[™] controls the welding power sources such as orbital welders and any other automatic welding systems to switch on and off according to oxygen levels, transferring data easily with the ability to link to external devices.

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