HUNTINGDON FUSION TECHNIQUES HFT

WELD PURGE MONITOR®

PurgEye® 300 Nano

Frequently Asked Questions

1. Which kind of sensor is used in the Argweld® PurgEye® 300 Nano Weld Purge Monitor®?

The Argweld® **PurgEye® 300 Nano** Weld Purge Monitor® uses a solid state long life sensor of a unique design. It is very much lower in cost than other sensors that have to be used for 10 ppm measurements.

2. What are the intended applications for the Argweld® PurgEye® 300 Nano Weld Purge Monitor®?

- The Argweld® **PurgEye® 300 Nano** Weld Purge Monitor® is intended primarily for measuring weld purge gas when welding high quality joints made in titanium, zirconium, nickel alloys, duplexes and other high spec stainless steels to prevent coking, oxidation and discolouration.

- Where the inlet for the monitor sensor can be connected to a constant and positive flow of exhausting weld purge gas.

- When job specification demands accuracy in measuring oxygen levels in weld purge gas from 1000 parts per million (ppm) down to 10 ppm.

3. Why isn't the Argweld® PurgEye® 300 Nano Weld Purge Monitor® fitted with a pump?

Most weld purging applications have an adequate flow of weld purge gas that can be exhausted over the measuring sensor.

In the event that an adequate flow rate from the system being purged is not available, users can purchase the vacuum bulb and probe assembly to take samples as needed. In addition, HFT also manufactures Weld Purge Monitors® with pumps. The PurgEye® 200 IP65, the PurgEye® 500 Desk, the PurgEye® 600 Touch and the PurgEye® 1000 Remote.

4. What is the length of the purging hoses supplied with the Argweld® PurgEye® 300 Nano Weld Purge Monitor®?

The red tube is 40 cm long and the green tube is 1 metre long.

5. Is the Argweld® PurgEye® 300 Nano Weld Purge Monitor® 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.

6. My Company needs a calibration certificate once a year for all instruments. How do I obtain one?

HFT® has a re-calibration facility. Contact us or your nearest distributor for pricing. Your instrument will be sent to us, we will re-calibrate it and return it with a certificate within a few days.

7. I need to detect oxygen level in pipes pre-heated to 300°C (572°F). Can I use the Argweld® PurgEye® 300 Nano for this range?

The **Argweld® PurgEye® Weld Purge Monitors®** should not be exposed to gas at a temperature above 50°C (122°F).

Please contact us for information about exhaust purge gas cooling methods.

8. 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.

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