

PurgEye® 100 IP65

Weld Purge Monitor®



Frequently Asked Questions

1. What is the intended application for the Argweld® PurgEye® 100 IP65 Weld Purge Monitor®?

The Argweld® PurgEye® 100 IP65 is intended primarily for measuring oxygen levels down to 100 parts per million (ppm) when welding stainless steels and other reactive metals to prevent coking, oxidation and discoloration.

For accurate measurements below this, all of the other PurgEye® Weld Purge Monitors measure accurately down to 10 ppm.

2. Is the Argweld® PurgEye® 100 IP65 good enough for electro-polished stainless steel welding?

Weld Purge Monitors® manufactured and designed by Huntingdon Fusion Techniques HFT® have become the worlds standard for measuring argon purge quality in TIG/GTAW welding of tubes, pipes, tanks and other enclosed structures.

PurgEye® 100 IP65 measures when oxygen has been removed to a level of 100 ppm and that there are no leaks or that there is no outgassing to cause oxygen to remain in the vicinity of a weld.

3. Why should I use a Weld Purge Monitor®?

Materials such as stainless steels and reactive alloys will oxidise and discolour when welded in the presence of oxygen.

The Argweld® PurgEye® 100 IP65 will measure oxygen levels as they are reduced by weld purging techniques so that you can begin welding once the risk of oxidation, coking and discolouration has been minimised.

4. What sort of sensor is used in the Argweld® PurgEye® 100 IP65?

A newly designed, self calibrating electrochemical sensor is fitted.

5. How are even lower oxygen levels measured?

HFT® manufactures a 'Family' Range of Weld Purge Monitors® that are suitable to measure oxygen to 10 ppm.

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

The new Argweld® PurgEye® 100 IP65 Weld Purge Monitor® has an auto push button self calibrating facility that calibrates the sensor at both atmospheric and minimum oxygen levels.

This feature allows the sensor to be highly accurately calibrated for each reading throughout the life of the sensor.

In the event that certification is nevertheless required, HFT® has calibration centres around the world.

For the fastest and most economic method to obtain a new certificate, please contact us or your local Distributor.

7. I need to detect oxygen level in pipes pre-heated to 300°C (572°F). Can I use the Argweld® PurgEye® 100 IP65 under these conditions?

The Argweld® PurgEye® 100 IP65 Weld Purge Monitor® should not be exposed to gas at a temperature above 50°C (122°F).

Note: HFT® provides laminated posters showing discolouration levels for stainless steels that can be used for inspecting welds for quality control purposes.