

Dew Point Sensor

for PurgEye® 200, Desk, 600, 1000 and Site



© HFT®

During purging welders need to measure the oxygen content but may also need to measure the 'dew point'.

The dewpoint is the temperature where condensation begins and water will condense on the material being welded. This can affect the weld properties significantly.

Huntingdon Fusion Techniques HFT® have recently added a Dew Point Sensor to their range that can be used in conjunction with their range of 10 ppm Weld Purge Monitors®, so rather than purchasing a separate, expensive Dew Point Meter, HFT®'s Dew Point Sensor that can be connected to the Weld Purge Monitor® via the PurgeNet™ lead.

The dew point sensor is designed to fit any of their Weld Purge Monitors® that read down to 1ppm (accurate to 10 ppm):

**PurgEye® 200, PurgEye® 500 Desk,
PurgEye® 600, PurgEye® 1000 and PurgEye® Site**

Connection is made via the PurgeNet™ lead that is supplied as standard with all models.

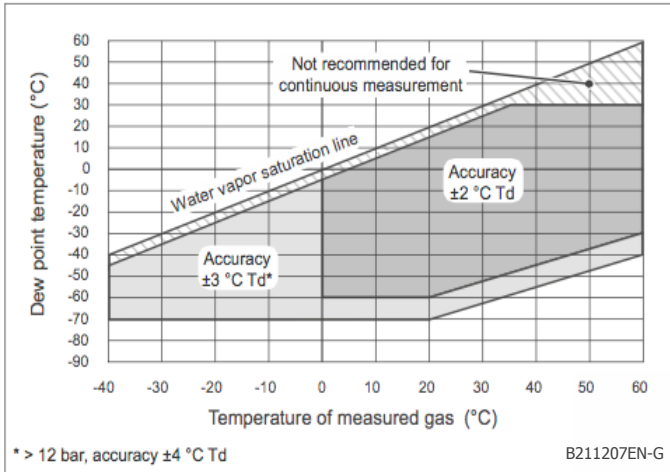
SPECIFICATION:

- **Measurement Range** (@20°C and 100 mbar)
300 to 50,000 ppm
(600 to 200,000 ppm @ 50°C*)
- **Accuracy** (@ 20°C* and 1000 mbar)
30 ppm + 10% of measured value #
- **Response time** (t90)
minutes for decreasing dew point
seconds for increasing dew point #
- **Power Requirement**
1 watts, powered from PurgeNet™ lead.
- **Output**
Dew point data will be output to supporting Weld Purge Monitor® with PurgeNet™ for display and PurgeLog™ (on compatible models).

* Medium temperature.

This will be heavily dependent on pipe length, material, ambient temperature etc. (Pipe lengths must be kept to a minimum). However, purge times will likely be significantly longer than the response time.

Accuracy in air



Data is displayed on the OLED screen of the Weld Purge Monitor® in split format so both oxygen (O₂) and moisture (H₂O) content are shown as a ppm value.

Part Number: DPS1000

Weight: 400 grams

Dimensions: H 165 mm W 40 mm



UNIT INSTALLED ON A PURGEYE® 200



**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

Dew Point Sensor LFT A4 AF91 30-07-2020 ME

Huntingdon Fusion Techniques HFT® Stukeley Meadow Burry Port Carmes SA16 0BU United Kingdom (UK)
 Telephone +44 (0) 1554 836 836 Fax +44 (0) 1554 836 837 www.huntingdonfusion.com Email hft@huntingdonfusion.com

E&OE. Copyright © HFT. All rights reserved. This publication may not be reproduced by any means without the written permission of Huntingdon Fusion Techniques HFT®. Tradenames and logos are the property of HFT and registered ownership of HFT.