

# COB INDUSTRIES, INC.

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## PurgEye® 100 IP65 WELD PURGE MONITOR®



HFT® bring to the market place for the first time, a fully accredited IP65 standard rated Weld Purge Monitor® Gas Detection and Analysing Instrument. The **PurgEye® 100** now has a dustproof and waterproof outer case that prevents the ingress of dust or moisture even to the extent of having hard water spray directed against it.

More new features make the **PurgEye® 100 IP65** incredible value for money and the best technical choice available.

The innovative push button auto calibration facility allows the user to calibrate at atmospheric level and again at the lowest oxygen reading for increased accuracy.

The **PurgEye® 100** will indicate oxygen levels from 20.94% down to 100 ppm (0.01%).

**PurgEye®**, the only genuine Weld Purge Monitor® Gas Detection and Analysing Instrument on the market, developed by HFT® original innovators and manufacturers for over 40 years.

### Keeping your Eye on the Purge!

#### MAIN FEATURES:

- New IP65 dustproof and waterproof accredited.
- Vacuum brazed stainless steel probe assembly.
- Robust carry / presentation storage case.
- Auto safety break wrist or neck carry strap.
- Push button 'auto calibration' feature.
- Low battery indicator and low sensor indicator.
- Enlarged screen and larger digits.
- Tripod mount.
- Protective rubber cover (optional).
- Special leak tight quick connect/disconnect fittings for gas purge tubing.
- Automatic sleep mode when not in use.

## ADVANTAGES and KEY FEATURES :

### IP65 Sealed Dustproof and Waterproof Accredited

Dustproof standard rated 6 dust tight (no ingress of dust) and waterproof standard rated 5 protected against water jets (water projected from a nozzle against the enclosure from any direction shall have no harmful effect).

### Vacuum Brazed Stainless Steel probe Assembly

Leak tight 'one piece' sealed assembly prevents erroneous readings due to leaks in connections.

### More Robust Carry/Presentation Storage Case

Ergonomically designed case with double sided preformed cut outs, give a safe location for each part of your PurgEye® instrument.

### Auto Safety Break Wrist Or Neck Carry Strap

Quality lanyard fitted with an auto break.

### Automatic Sleep Mode

When the monitor registers more than 20% oxygen for periods longer than 1 hour, it will automatically switch off to conserve sensor and battery life.



### Low Sensor Indicator

You will never again be with an unusable monitor! The "low sensor level signal", allows plenty of time to obtain a new sensor which you can simply fit and calibrate yourself.

### Low Battery Indicator

The PurgEye® 100 Weld Purge Monitor® Gas Detection and Analysing Instruments have a low battery indicator that appears in the corner of the screen. This was a feature designed for the first time in the earlier models, such as the Mark V (MKV) meter which used old technology in comparison to this revolutionary latest PurgEye® 100 model.

### Auto Calibration Feature

Calibrate your own monitor at any time without having to return it to the factory. Also, each time you weld to ensure that your readings are the most accurate possible.

The calibration facility even has the ability at the touch of a small button to calibrate both at atmospheric level of 20.94% and at 0.01% (100 ppm) level of oxygen



### Tripod Mount

A rugged tripod mount has been integrated into the housing. This allows the PurgEye® 100 IP65 Weld Purge Monitor® Gas Detection and Analysing Instrument to be firmly mounted on a tripod of your choice. With mounting the instrument on a tripod, easy visual observation is provided so you can see the PurgEye® 100 from any part of the working space.

A range of tripods or other fixing Instruments are available on which you can mount and station your PurgEye® 100.

### Enlarged Easy To Read Screen

The new enlarged screen uses 24 mm height digits for easy viewing at longer distances from the work station. These digits are approximately 41% larger than the previous obsolete MKV model.

### Immediate Welding

After connecting the PurgEye® 100 to the purge gas exhaust, you will have immediate readings showing reduction of oxygen down to your desired level.

### Guaranteed Accuracy

The PurgEye® 100 Weld Purge Monitor® Gas Detection and Analysing Instrument indicates oxygen levels from 20.94% down to 100 ppm (0.01%), so use an Argweld® PurgEye® Weld Purge Monitor® every time for guaranteed accuracy of oxygen indication to allow a weld start with minimal risk of oxidation.

#### TECHNICAL DATA:

The **PurgEye® 100** is shipped in a new low volume ergonomically designed, attractive, more robust carry / presentation and storage case to maintain the instrument in good condition and to keep it together with all accessories.

The **PurgEye® 100** can be used with any pipe welding system, any weld purging chamber or weld purging enclosure.

The sensor is easy to replace and self-calibrate using the advanced calibration features of the **PurgEye® 100** and the specially written algorithm that provides extreme accuracy at 0.1% where it is especially important for weld and Analyzing Instrument 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 hand vacuum pump and the new vacuum brazed leak tight stainless steel probe assembly extracting samples from the purged volume, as and when desired.

The **PurgEye® 100 Weld Purge Monitor® Gas Detection**



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#### Supplied With

- New leaktight vacuum brazed stainless steel probe for sampling.
- New safety easy auto break lanyard for neck or wrist.
- New strong ergonomically designed carrying storage presentation case.
- 2 x AA batteries.
- 2 meters of sampling hose.
- Sampling bulb (vacuum pump).
- User instruction booklet.



#### SPECIFICATIONS:

##### **PurgEye® 100 IP65 Accuracy Range**

Measuring 20.94% down to 100 ppm oxygen

Range: (100 ppm to atmosphere)

Accuracy: At oxygen level 20.0% =  $\pm 0.2\%$

At oxygen level 2% =  $\pm 0.02\%$

Size: 94 mm (top width)

58.5 mm (handle width)

199 mm high (from bottom to top of eyelet) 63 mm deep (with flow adaptor) 44 mm deep (without flow adaptor)

Power: Battery type 2 x AA (included)

Scale: LCD (liquid crystal display) 24 mm Ref: Obsolete MKV Model 17 mm 41% increase in size

Weight: 0.870 kg



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#### **ACCESSORIES, SPARES and REPLACEMENTS:**

- Gorilla tripod.
- Camera tripod.
- Sensor removal tool
- Rubber protective housing. Available as an accessory.



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PurgEye® 100 IP65 shown with protective rubber housing

Don't use cheap instruments that are merely oxygen monitors which are re-labeled or repackaged, use a purpose designed, high quality Weld Purge Monitor®, Gas Detection and analyzing Instrument.

#### **PRODUCT CODES and SIZES:**

PurgEye® 100 IP65 Weld Purge Monitor® Gas Detection and analyzing Instrument Model part number API0100 (stock code).

#### **Dimensions with carrying storage case:**

290 x 265 x 120 mm

**Net weight** 0.870 kg

**Gross weight** 1.1 kg

**Volumetric weight** 1.42 kg

**Instrument weight** 0.870 kg instrument only (excluding carry case).

*Customs tariff for international shipments around the world:*

**European customs tariff:** 9026 1089

**International customs tariff:** 9026 80 6000

**United States customs tariff:** 9026 80 6000

