

OxyGuard Handy Atmosphere

Pocket size Meter for Measuring Oxygen in Gas Form



A new concept in pocket-size meters!

OxyGuard know-how, reliability and ease of use are put together with an innovative design concept in the New Handy range of instruments, including the Handy Atmosphere, setting new standards for hand held meters! The Handy Atmosphere can measure high and low levels of gaseous oxygen, and is ideal for checking MAP gas, environmental air and the purity of oxygen or nitrogen from PSA generators.

Easy to use: Cylindrical design - feels comfortable in the hand.
Flat foil pushbuttons - no protruding controls.
OxyGuard technology - always ready for immediate measurement.
Illuminated display.
Clip for easy fixing to your belt or note board.

Waterproof: The flat foil seals the front, O-ring seal for rear cover.

Strong: The casing is machined from a solid block of POM.

Unique in Design, Unique in Performance!

Technical Information

Technical Advantages

- * Easy to use - just press the button and measure!
- * Lies well in the hand with no protruding knobs - has easy to use flat foil pushbuttons.
- * Waterproof – submersible - can be used in all kinds of weather!
- * Galvanic type probe with no warm up time - it is always ready for use.
- * Fully temperature compensated – no dials to set.
- * Remarkably short response time.
- * Probe stores dry – easy to use and store, and easy to obtain a quick and reliable calibration.
- * Excellent long-term stability – one daily calibration check is more than enough.
- * Tough membrane – can be wiped clean with cloth or paper.
- * Probe does not need regular service or renovation.
- * Runs for more than 1000 hours on standard 9V battery.
- * Illuminated display.
- * Special highly flexible cable.

The OxyGuard Atmosphere measures % oxygen by volume.

Specifications

Probe Type:	Galvanic cell, self polarizing, self temperature compensating.
Cable Length:	Standard 3 m. Any length available on request.
Operating Conditions:	Probe: -0 to 50°C, meter -20 to +60°C.
Measuring Range:	With type 1 probe: 5-100% oxygen by volume. With type 2 probe: 0-35% oxygen by volume.
Resolution:	0.1% volume.
Accuracy:	Measurement accuracy depends on calibration accuracy. The typical accuracy is better than +/- 1% of measured value +/- 1 digit within the standard measuring range.
Repeatability:	Typically better than +/- 0.5% of measured value.
Response Time:	90% of end value in less than 25 seconds.
Dimensions:	96 mm diameter x 36 mm + belt clip (if used).
Standard Accessories:	Spare membrane cap, membranes, electrolyte and storage bag.

Ordering Information

H02A1:	Handy Atmosphere with type 1 probe and standard accessories. Range 5-100% volume.
H02A2:	Handy Atmosphere with type 2 probe and standard accessories. Range 0-35% volume.
H02CHA:	Flow-through measurement chamber for the Handy Atmosphere.
H02XAC1:	Atmosphere accessory kit: membrane cap, 5 membranes & O-rings, 50 ml electrolyte and tool.
H02XAC2:	Atmosphere membrane kit: 25 membranes & O-rings.
H02XCAP:	Atmosphere membrane cap with membrane.