

OxyGuard Handy Atmosphere SP

Hand-held Meter with Sample Pump for Measuring Oxygen in Food Packages



The Handy Atmosphere SP is a hand-held meter designed to measure the oxygen of the gas in food packages.

The probe is fixed to the meter inside a measurement chamber with a needle. The probe acts as the piston of a pump, drawing sample gas into the chamber when the meter and chamber are pulled apart.

Signal processing is performed using a microprocessor, which gives a number of advantages. Just as with other Handy instruments you can simply switch on and measure, but the use of microprocessor technology enables measurements to be supported by a range of advanced functions designed to make things even easier for you:

- **Automatic Calibration**
- **Choice of Language**
- **Automatic self-check**
- **Automatic Probe Check**
- **Barometric Pressure Compensation**
- **Extremely long battery life**

Technical Information

Technical Advantages

- Automatic calibration with stability check.
- Automatic self-check of instrument
- Automatic check of cable and probe.
- Compensates for changes in atmospheric pressure
- User selectable language.
- User selectable main display parameter.
- "On-screen" instructions.
- Waterproof.
- 1400 hours use from one 9V alkaline battery.
- Illuminated display with variable intensity.
- Special highly flexible cable.
- Automatic shutdown for power saving.
- Galvanic type probe.
- No warm up time.
- No heated parts.
- Fully temperature compensated.
- Remarkably short response time.
- Easy to clean.
- Stores dry.
- Excellent long-term stability.
- No need for regular service or renovation.
- Extremely economic in use.
- Can be used on packages with only 20 ml free volume.

Specifications

Probe Type:	Galvanic cell, self polarizing, self temperature compensating.
Operating Conditions:	0 to +50°C.
Measuring Range:	0-100% oxygen by volume.
Resolution:	0.1% by volume.
Accuracy:	Typically better than +/- 1% of measured value +/- 1 digit.
Repeatability:	Typically better than +/- 0.5% of measured value.
Response Time:	90% of end value in less than 25 seconds.
Display:	Large, easy to read graphical LCD display. Variable backlight.
Dimensions:	98 mm diameter x 36 mm + belt clip (if used).
Self-check of:	Probe function, meter function, cable, battery.
Useful battery life:	Typically 500 hours normal use. max. 2 years.
Standard Accessories:	Storage pouch, seal pads, 2 needles.

Ordering Information

H02CA2:	Handy Atmosphere SP with accessories in pouch ready for use.
H02XPAD:	Seal pad for use with very low oxygen concentrations.
H02XNDL:	Needle.