

# Portable instrument

ref 512

For liquid and gas phase measurements



## High quality analyzer for industrial use

The MecSens series 512 hand-held analyzers are designed for off-line and in-line oxygen measurements in very harsh conditions. They fulfill all requirements for on-the-spot measurement.

This high quality portable instruments with logging capabilities display oxygen concentrations in either dissolved or gaseous units from trace levels to saturation and the temperature of the sample.



## Commercial Benefits

- Trace Level precision
- Operational cost savings
- Reduced TCO
- User friendly (function keys)

## Technical Benefits

- Trace level accuracy  
Very low detection limit.
- Proven Technology  
Waterproof and corrosion resistant / IP65 /aluminium case.

Large LCD display.

Pin-code protected calibration and settings  
A docking station with USB port is also available for laboratory applications and connection to a computer

- Low maintenance / Ease of maintenance
- Ease of Calibration  
One point calibration in air or any user-specified concentration

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## Ready to operate anywhere and anytime in the plant

These new portable analyzers continuously measure temperature and oxygen concentration. They are compatible with all sensors in the 61 series. Exceptionally versatile, the customer can easily use the device as a log for automatically or manually storing measurement data with date and time. Featuring menu-driven user friendly operation, these analyzers can be easily configured using function keys and are built with the latest state-of-the-art technology.



Power	3xAA type cells: alkaline or rechargeable (NiCd, NiMh,...)
Autonomy	up to 48 hours continuous measurements
Operating conditions	0°C to +40°C / 32°F to 104°F
Enclosure	Aluminium case - paint coating - IP65 / Nema4X
Dimensions W x H x D	80 - 100mm x 270mm x 32mm
Weight	1 kg
Graphical display	concentration, temperature, date, time & battery status
Display units dissolved	ppm / ppb, mg/l
	Resolution: 0.01ppb
Display units gaseous	% / ppm, kPa, mbar
	Resolution 0.01ppm
Range O2 dissolved	0.1ppb / 200ppm
Range O2 gaseous	0.5 ppm (v/v) – 100%
Membrane model number	82956, 82952, 82935
Logging	store up to 255 measurements (automatically or manually)
Calibration	Single point air calibration or direct
Docking station (Option)	115/230V AC 50/60Hz +/- 10%
Digital output	USB port located on the docking station