PORTABLE OPTICAL OXYGEN MEASUREMENT

OXYTRANS M ECO

Portable O_2 Measurement in Liquids and Gases

OXYTRANS M Eco is the portable economy version for O_2 measurement in deaerated water, wort, beer, beverages, liquid food products, CO_2 and inert gases.



Portable Measurement
For changing inspection and measuring points.

Data Logging
Manual or automatic, with PC software and USB.

Optical Technology
No replacement of electrolyte or membrane.

Measuring Principle

Indicator molecules in the optical window are excited by blue-green LED light. Oxygen transfers energy from the excited molecules and reduces the detected signal. Other gases do not affect the measurement result.

Applications

- Deaerated Water
- Wort
- Beer
- Beverages
- Liquid Food Products
- CO_2
- Inert Gases
- Portable Inspection Measurement

The portable version has a robust aluminium enclosure and weighs 1,65 kg.

Technical Data

Technical data for the portable OXYTRANS M Eco version.

PARAMETER	OXYTRANS M ECO
Measuring Ranges, Liquid Phase	I) 3 ppb - 2 ppm II) 50 ppb - 35 ppm
Accuracies, Liquid Phase	I) ± 3 ppb II) ± 50 ppb
Measuring Ranges, Gas Phase	I) 0 - 4,2 % O_2 II) 0 - 50 % O_2
Accuracies, Gas Phase	I) ± 0,006 % O_2 II) ± 0,05 % O_2
Response Time / Operating Pressure	t90 ≤ 10 s / max. 12 bar
Operating Temperature	-5 to +55 °C (Pt100); optional +98 °C
Material	1.4404 / AISI 316L, silicone (FDA), PTFE (FDA)
Data Logging	manual / automatic, 5 - 600 s; approx. 5.000 measured values; PC software / USB
Enclosure / Weight	Robust aluminium enclosure / 1,65 kg
Enclosure Rating / Supply	IP65 / rechargeable battery

Optical Technology

No replacement of electrolyte or membrane.

Short Response Time

t90 ≤ 10 s and high long-term stability.

Portable Version

Robust aluminium enclosure; weight 1,65 kg.

Design & Integration

We support you with the project-specific selection and integration of the **OXYTRANS M ECO** - from measuring range and installation position to process connection and interfaces.

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