

DISSOLVED OXYGEN METER



Accuracy, Precision, and Sensitivity Matters.

The TecPen Dissolved Oxygen Fluid Meter provides accurate determination of oxygen concentrations in beverage applications for quality control and assurance. The meter operates without warm-up time and measures in mg/L or parts per billion (ppb) in water and other liquids. This portable and rechargeable dissolved oxygen meter is ideal for measuring trace oxygen levels in packaged liquids like beer, and suited for biological or industrial applications.

Features

- Accurate optochemical oxygen sensor
- High flexibility due to portable, easy-to-use design
- Real-time measuring accuracy in seconds
- Integrated memory and data transfer via USB
- Industry-standard .CSV data files

Applications



TECHNICAL DATA

Dissolved Oxygen Meter

Measurement Range	0 – 2000 ppb or 0-2 mg/L
Accuracy	0-200 ppb: $\pm 2\%$ Mv**, 200-1000 ppb: $\pm 3\%$ Mv*, 1,000-2,000 ppb: $\pm 5\%$ Mv*
Resolution	1ppb or 0.001 mg/L
Max. Pressure:	5 bar
Response Time	at 25°C/77°F: <150 ms
Temp. range Min./Max:	-10°C/ +60°C (14°F/140°F)
Power supply:	5V USB and LiPo
Rechargeable battery lifetime:	> 3h per charge
Data Interface:	USB
Temperature compensation:	4-30°C (39.2-86°F)
Display:	OLED
Cleaning housing:	No organic solvents, 40% EtOH
Cleaning sample line:	Water, 40% EtOH, Mild detergents, no organic solvents
Parts touching sample:	St. 1.4404/PTFE/Glass
Case:	Anodized aluminum
Case with Device Weight:	2.45 lbs.
Case Dimensions:	12 x 11 x 3.25 inches
Device Weight:	0.50 lbs.
Device Dimensions:	7 x 2 x 1 inch
Protection class:	IP 65
Main service interval (Service including necessary retrofitting):	3 years
Sensor cap replacement interval:	1 year
Recommended zero-point adjustment by customer:	3 months

*Mv = measured value

**Mev = measured end value



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