

# Dissolved Oxygen Meter

*With Extended Range*

## MS 0257



### INTRODUCTION

MS 0257 is a water-resistant, dissolved oxygen meter that measures up to 300% saturation or 45 ppm (mg/L) with temperature compensation and automatic calibration. It has been developed for DO and temperature measurement in water, wastewater, and applications such as fish farming.

This instrument also allows altitude compensation up to 4000 m and the ppm and % saturation are both compensated for changes in solubility of oxygen in water and for permeability of the membrane as well as the temperature effect.

The included polarographic probe features built-in temperature compensation and removable protective membrane cover.

### FEATURE

- On-screen tutorial messages
- Two point calibration
- Auto endpoint
- DO range up to 300%, temperature compensated
- Altitude compensation up to 4000 m
- Salinity compensation up to 80 g/L
- Automatic calibration in air
- GLP features
- Low battery indicator

### SPECIFICATION

Range	O <sub>2</sub>	: 0.00 to 45.00 mg/L (ppm)
Range	% Saturation O <sub>2</sub>	: 0.0 to 300.0%
Range	Temperature	: 0.0 to 50.0°C
Resolution	O <sub>2</sub>	: 0.01 mg/L (ppm)
Resolution	% Saturation O <sub>2</sub>	: 0.1%
Resolution	Temperature	: 0.1°C
Accuracy	O <sub>2</sub>	: ±1.5% FS
Accuracy	% Saturation O <sub>2</sub>	: ±1.5% FS
Accuracy	Temperature	: ±0.2°C (excluding probe error)
Dissolved Oxygen Calibration		: one or two points at 0%(zero solution) and 100%(in air)
Temperature Compensation		: automatic, 0 to 50°C (32 to 122°F)
Altitude Compensation		: 0 to 4000 m (resolution 100 m)
Salinity Compensation		: 0 to 80 g/L (ppt) (resolution 1g/L)
Probe		: MS 87518/4F polarographic DO probe, internal temperature sensor, DIN connector and 4 m cable (included)
Battery Type/Life		: 1.5V AAA (3) / approx 200 hours of continuous use without backlight (50 hours with backlight on)
Environment		: 0 to 50°C (32 to 122°F); RH max 95%
Dimensions		: 185 x 72 x 36 mm (7.3 x 2.8 x 1.4")
Weight		: 300 g (10.6 oz)