

Extended Range Bench Dissolved Oxygen Meter

- Years warranty **3**
- LOG
- RS232
- USB
- Software CD
- ATC
- Points **2**
- Dual Display
- Self diagnostics
- GLP
- CE



Ideal for testing Dissolved Oxygen in the pharmaceutical and food Industry, as well as monitoring in water treatment plants. The user can choose to measure D.O. readings in mg/L or % of saturation of O₂.

This meter can be used for any type of water, as it allows measurements to compensate for temperature, altitude and salinity factors. The automatic logging interval can be set to perform analysis and store data into the memory.

All logged data can be downloaded to your PC through an RS232 or USB serial port. Memory can store up to 50 samples. **Mi190** features an automatic calibration procedure, at 1 or 2 points (at 0 and 100% of O₂ saturation). The polarographic probe supplied with the meter (MA840) measures the current generated by the reaction of O₂ with Ag.

Mi190 is supplied complete with MA840 DO probe with 3 m cable, 2 spare membranes, MA7041 electrolyte solution (30 mL), 12 VDC power adapter, probe holder and instruction manual.



Specifications	Mi190
Range	O ₂ 0.00 to 45.00 mg/L (ppm) % Saturation O ₂ 0.0 to 300% Temp -5.0 to 55.0°C / 23.0 to 131.0°F
Resolution	O ₂ 0.01 mg/L (ppm) % Saturation O ₂ 0.1% Temp 0.1°C / 0.1°F
Accuracy	O ₂ ±1.5 Full Scale % Saturation O ₂ ±1.5 Full Scale Temp ±0.4°C / ±0.8°F
DO Calibration	automatic, 1 or 2 point at 0% (MA9070) and 100% (in air)
Temperature compensation	0.0 to 50.0°C / 32.0 to 122.0°F
Altitude compensation	0 to 4000 m; resolution 100 m
Salinity compensation	0 to 40 g/L; resolution 1 g/L
DO probe	MA840 with DIN connector (included)
Temperature Probe	Included in DO probe
Calibration	2 points (0.0°C and 50.0°C / 32.0 to 122.0°F)
Logging	up to 50 records, LOG on demand or auto-logging
PC interface	RS232 / USB Opto-isolated
Power Supply	12 VDC power adapter (included)
Environment	0 to 50°C / 32 to 122°F; max RH 100%
Dimensions	230 x 160 x 95 mm
Weight	0.9 Kg

Polarographic D.O. Probe

Polarographic D.O. probe with 3 meters cable



Rear Connector Panel layout

Communication to the PC is done via opto-isolated USB and RS232 ports.



Accessories

- MA9070** Zero Oxygen Solution, 230 mL bottle
- MA9071** Refilling Electrolyte Solution, 230 mL bottle
- MA9310** 12 VDC Adapter, 220 V
- MA9311** 12 VDC Adapter, 110 V
- MA9315** Electrode Holder



- MA841** Spare membrane (5 pcs)
- MA840** DO probe with 3 meters cable
- MA9350** RS232 connection cable with 2 m cable
- Mi5200** Application Software

Ordering Information

- Mi190** is supplied complete with:
- **MA840** DO probe with 3 meter cable
 - **MA841** Spare membrane (2 pcs)
 - **MA9071** Electrolyte solution
 - **MA9315** Electrode Holder
 - **Mi5200** Application Software
 - **MA9350** RS232 connection cable with 2 meters cable
 - **MA9310** 12 VDC Adapter
 - Instruction manual