

New

Mi190

Extended Range Bench Dissolved Oxygen Meter

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 (MA840/2) measures the current generated by the reaction of O₂ with Ag.

Mi190 is supplied complete with MA840/2 DO probe with 2 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
Logging		50 records, LOG on demand or auto-logging
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		MA840/2 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)
Log on demand		up to 50 records
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 2 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)
- MA840/2 DO probe with 2 meters cable
- MA9350 RS232 connection cable with 2 m cable
- Mi5200 Application Software

Ordering Information

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