## **Dissolved Oxygen**







Specifications	MW600 PRO			
Range O <sub>2</sub>	0.0 to 19.9 mg/L			
Resolution O <sub>2</sub>	0.1 mg/L			
Accuracy (@25°C) O <sub>2</sub>	±1.5% Full Scale			
Calibration	manual on 2 points (zero and slope)			
Temperature Compensation	automatic from 0 to 30°C			
Probe	MA840 (included)			
Environment	0 to 50°C / 32 to 122°F; max RH 95%			
Battery Type	9V alkaline (included)			
Battery Life	approximately 70 hours of use			
Packaging dimensions	268 x 122 x 118 mm			
Packaging weight	880 g			

### **ALTITUDE & SALINITY COMPENSATION:**

If the sample contains salts or if you are performing the measurements at altitude different from sea level, the readout values must be corrected, taking into account the lower degree of oxygen solubility.

Altitude Compensation: all the readouts are referred to sea level, thus the displayed measurements are higher than the actual values. In fact, altitude affects D.O. concentration by decreasing its value.

The table on the left reports the oxygen solubility at various temperatures and altitudes, based on sea level barometric pressure of 760 mmHg.

This gives an idea of the error that can be introduced at different altitudes and allows to calculate the quantity to be subtracted to correct the reading.

#### **Accessories**

Zero Oxygen calibration solution, 230 mL bottle

MA9071 Refilling Electrolyte solution,

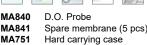
230 mL bottle

MA841 MA751









#### **Ordering Information**

MW600 PRO is supplied complete with MA840 probe, 2 spare membranes, 20 mL bottle of electrolyte solution, calibration screwdriver, 9V battery and instructions.

# MW600 PRO **Budget Dissolved Oxygen Portable** Meter for fast and reliable results

The MW600 PRO is a compact microprocessor-based Portable Dissolved Oxygen meter. This handy and ergonomically designed portable meter is ideal for anyone working on a low budget and still requires fast and reliable measurements.

This portable meter measures Dissolved Oxygen with a Polarographic probe and is suitable for a wide range of applications, such as Educational and Aquaculture, as well as water and environmental analysis.

Other features include small and ergonomic case design, large and easy to read LCD, low battery warning, easy to replace screw on cap membranes and long battery life.

MW600 PRO is supplied complete with a MA840 D.O. polarographic probe with 4 meter cable, calibration screwdriver, 2 spare membranes, MA9071 (30 mL) electrolyte solution, battery and instructions.



The MW600 PRO calibrates easily in 2 points (at 100% saturated air and in 0 Oxygen solution) and has Automatic Temperature Compensation which guarantees highest accuracy.

#### Large and easy-to-read display

MW600 PRO offers highly stable accurate and readings with large LCD display.



Altitude, Meters above Sea Level									
°C	0 m	300 m	600 m	900 m	1200 m	1500 m	1800 m	°F	
0	14.6	14.1	13.6	13.2	12.7	12.3	11.8	32.0	
2	13.8	13.3	12.9	12.4	12.0	11.6	11.2	35.6	
4	13.1	12.7	12.2	11.9	11.4	11.0	10.6	39.2	
6	12.4	12.0	11.6	11.2	10.8	10.4	10.1	42.8	
8	11.8	11.4	11.0	10.6	10.3	9.9	9.6	46.4	
10	11.3	10.9	10.5	10.2	9.8	9.5	9.2	50.0	
12	10.8	10.4	10.1	9.7	9.4	9.1	8.8	53.6	
14	10.3	9.9	9.6	9.3	9.0	8.7	8.3	57.2	
16	9.9	9.7	9.2	8.9	8.6	8.3	8.0	60.8	
18	9.5	9.2	8.7	8.6	8.3	8.0	7.7	64.4	
20	9.1	8.8	8.5	8.2	7.9	7.7	7.4	68.0	
22	8.7	8.4	8.1	7.8	7.7	7.3	7.1	71.6	
24	8.4	8.1	7.8	7.5	7.3	7.1	6.8	75.2	
26	8.1	7.8	7.5	7.3	7.0	6.8	6.6	78.8	
28	7.8	7.5	7.3	7.0	6.8	6.6	6.3	82.4	
30	7.5	7.2	7.0	6.8	6.5	6.3	6.1	86.0	
32	7.3	7.1	6.8	6.6	6.4	6.1	5.9	89.6	
34	7.1	6.9	6.6	6.4	6.2	6.0	5.8	93.2	
36	6.8	6.6	6.3	6.1	5.9	5.7	5.5	96.8	
38	6.6	6.4	6.2	5.9	5.7	5.6	5.4	100.4	
40	6.4	6.2	6.0	5.8	5.6	5.4	5.2	104.4	



