



# manta2

## Water Quality Multiprobes

Eureka Environmental has thousands of Manta Multiprobes in the field used for a myriad of applications. Our valued customers include federal, tribal, state & local environmental agencies; respected educational institutions and consulting groups. We back each of our instruments with a two year warranty.

Use the Manta2 as an unattended data logger with the optional battery pack or use Eureka's Amphibian field display for spot checking or profiling. Connect to our Eagle Eye telemetry system for real-time water to web monitoring or to other data collection systems.

Our water quality specialists carefully review your monitoring application prior to making equipment recommendations to ensure that you receive exactly what's needed for your project. Unlimited phone support is available to help get you up and running quickly.

Since 2002 Eureka has stayed on the cutting edge of multiprobe technology providing serious instruments for the most demanding scientific study.

- Easy to use
- Intuitive software
- Extremely reliable
- Lowest maintenance costs
- Robust construction
- Quick LED diagnosis
- USB data transfer
- Sizes from <2" to 4" OD
- 24 parameters available
- Optional battery pack
- Real time data collection
- RS232 or SDI-12 Communication
- Telemetry – data to web
- Windows™ based field display
- 2 Year warranty



# Specifications

Parameter	Range	Accuracy	Resolution	Comments
Temperature	-5°C - 50°C	± 0.1°C	0.01°C	
Polargraphic (Clark) DO				Automatic temperature & pressure compensated
Dissolved Oxygen (mg/L)	0 - 50 mg/L	± 0.2 mg/L ≤ 20 mg/L ± 0.6 mg/L > 20 mg/L	0.01 mg/L	Salinity corrected
Dissolved Oxygen (% Sat)	0 - 200% 200 - 500%	± 2.4% ± 7.2%	0.1	
Optical DO				Automatic temperature & pressure compensated
Dissolved Oxygen (mg/L)	0 - 25 mg/L	1% of reading or 0.02 mg/l, whichever is greater	0.01 mg/L	Salinity corrected
Dissolved Oxygen (% Sat)	0 - 200%		0.1	
Conductivity (SC)	0 - 100 mS/cm	1% reading ± 1 count		Automatic temperature compensated
Salinity	0 - 70 PSU (PPT)	± 1% of reading or 0.1 PSU, whichever is greater	4 digits	4-pole graphite type
TDS	0 - 65 g/L	Calculated from Conductivity		
Turbidity		0-100 < 1% of reading	0.1	Self cleaning wiped turbidity
Optical 90° Nephelometric	0 - 3000 NTU	100-400 < 3% of reading		
Mechanical Wiper		over 400 < 5% of reading		
pH	0 - 14 units	± 0.2 units	0.01 units	Automatic temperature compensated
ORP	-999 - 999 mV	± 20 mV	1 mV	Platinum electrode
Depth	Varies	± 0.1% Full Scale	0.01 m	Ranges: 0-10m, 0-25m, 0-50m, 0-100m, 0-200m
Level	0 - 10 meter	0.003 meters	0.001	Vented transducer requires vented cable
Ammonium	0 - 100 mg/L Nitrogen	± 10% of reading or 2 mg/L whichever is greater	0.1 mg/L - N	Ion Selective Electrode with replaceable plasticized tips
Nitrate	0 - 100 mg/L Nitrogen	± 10% of reading or 2 mg/L whichever is greater	4 digits	Ion Selective Electrode with replaceable plasticized tips
Chloride	0.5 - 18,000 mg/L	± 10% of reading or 2 mg/L whichever is greater	4 digits	Ion Selective Electrode with replaceable plasticized tips
TDG	400 - 1400 mm/Hg	± 0.5 mm/Hg	0.1 mm/Hg	Membrane covered pressure transducer
Chlorophyll a	0.03 - 50 µg/L	± 3%	0.01 µg/L	Other ranges available
Rhodamine	0.04 to 1000 ppb	± 3%	0.01 ppb	
Blue Green Algae	100 - 200,000 cells/mL	± 3%	20 cells/mL	Fresh or marine available



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