

Multiprobes built for the field technician[™]



Take the Manta+ Challenge[™]

Eureka's Hallmark Features

Reliable data is Eureka's Top Priority. We start with the best sensors on the market and finish with our famously simple user-interface.

Using the Manta is really, really easy. Plug the Manta into a USB port and see live Manta data a few seconds later. Most users teach themselves the Manta operating software in about 15 minutes, without reading the manual.

Why pay more to purchase a multiprobe AND pay more to maintain it? The Manta's modular architecture often saves you thousands of dollars in purchase costs, and our rebuildable reference electrode and long-life DO sensor save you as much as \$600 in annual maintenance cost.

Excellent Customer Service is standard equipment. A human is always available to answer you call or email.

New Features in the Manta+

Three-Year Warranty includes the pH sensor, reference electrode, and DO cap.

Event Triggering increases the frequency of data logging when a user-selected parameter changes by a certain amount over a certain time.

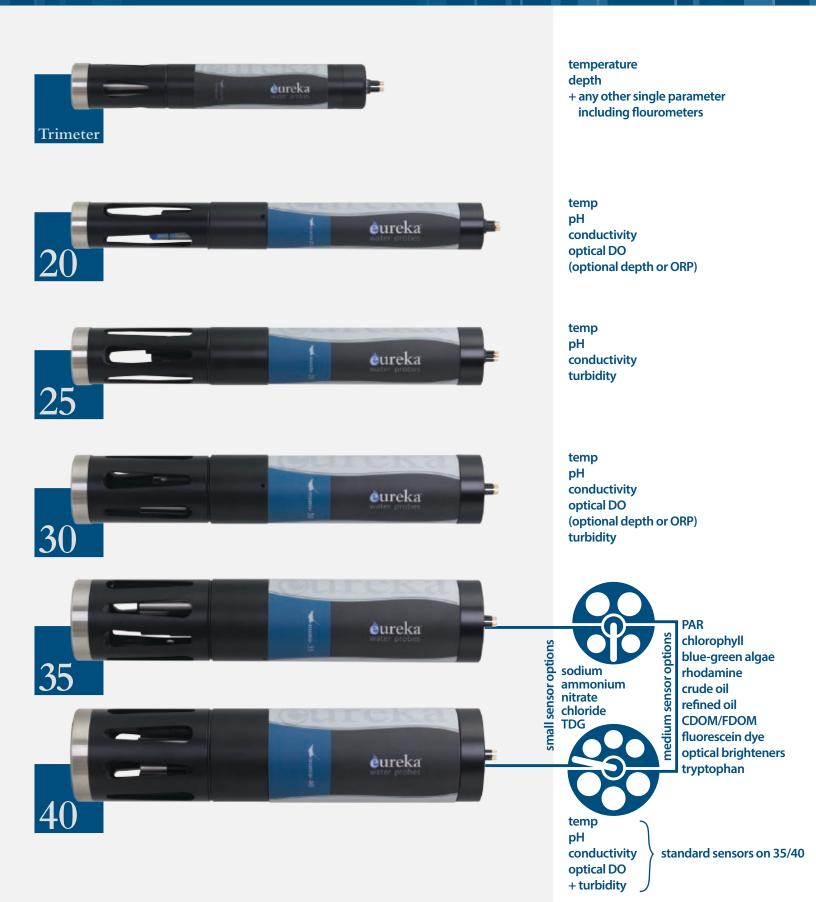
Digital Turbidity Sensor has built-in autoranging for excellent performance in near-zero FNU waters, with an upper range to 5000 FNU.

Calibration Stability Indicator tells you when your sensor is stable enough for calibration.

New Sensors include tryptophan/BOD, optical brighteners, bromide, calcium, and sodium ions, fDOM II, chlorophyll red, and transmissivity.

Other new features include: Custom Parameter, Calibration Stability Indicator, Copper-Gauze Antifouling Kit, Expanded Calibration Log, Raw Values, Aquarius™ Compatibility, Battery Voltage Indicator.





Products

Trimeter - Three Parameters at the Lowest Possible Cost

Get all the features of a Manta, including top-grade sensors and simple software, in an instrument designed for economy. Each Trimeter employs one of any sensor that Eureka offers, plus optional temperature and depth sensors.

A Data Display for Every Application and Budget

The AmphibianPlus is a waterproof, full-function Windows PDA incorporating the Manta user interface, with GPS and cell phone options.

The Bluetooth Battery powers your Manta, and lets you talk wirelessly to the Manta with any Bluetooth-equipped Android or Windows peripheral. You can save up to \$1500 by using your own phone instead of a limited-purpose data display.

One Job – One Instrument

The Manta family offers up to 12 sensors in one, integrated package.

Available sensors include temperature, optical DO, pH, ORP, conductivity, depth, level, turbidity, fluorometers including chlorophyll a, chlorophyll red, phycocyanin, phycoerythrin, fDOM, fDOM II, rhodamine, fluorescein, crude oil, refined fuels, optical brighteners, and tryptophan/BOD, CO2, ammonium, nitrate, sodium, calcium, bromide, chloride, TDG, PAR, dual PAR, and transmissivity.

Field-Proven Methods to Minimize Fouling

The Extended Turbidity Brush cleans turbidity and other sensors, such as DO, chlorophyll, and BG algae.

The MiniCleaner is a stand-alone wiper system used when you don't have an Extended Turbidity Brush.

The Copper-Gauze Kit wraps the sensors in copper gauze that slowly dissolves, bathing the sensors with the copper ions that discourage biofouling. Copper gauze is superior to solid copper, which become ineffective once oxidized.







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The New Manta Manager

The new Manta Manager retains its predecessors' ease of use and adds new features like event triggering, calibration stability indicator, more QC information options in the permanent calibration log, single-point calibrations, visibility of "raw" sensor values, cut-and-paste of rolling data to MS Office documents, more help screens, a more powerful user-defined-parameter creator, and built-in instruction manual.

Calibration		Capture to display		settings			Log to multiprobe	More	
Ę	Capture Now	F	Auto Capiture is OFF	2	Logging is OFF	1P	Wipe Tarbidity Now	9	Help NOW
DATE	TIME	Temp deg C	oH units	ORP mV	SeCond uS/cm	HDO mail	HDO %Sat	pHmV	
04/15/16	14:39:55	22.66	5.95	200.3	8.8	4.80	56.4	49.1	
04/15/16	14:39:54	22.66	5.95	200.2	88	4 80	55.4	48.8	
04/15/16	14.39.53	22.66	5.95	200.1	8.8	4.80	55.4	48.9	
04/15/16	14:39:52	22.66	5.95	200.0	8.8	4 80	56.5	49.1	
04/15/16	14:39:51	22.66	5.95	200.0	88	4.80	56.5	48.9	
04/15/16	14:39:50	22.66	5.95	199.9	8.8	480	56.5	48.8	
04/15/16	14:39:49	22.66	5.95	199.8	8.8	4.81	56.6	491	
04/15/16	14:39:48	22.66	5.95	199.7	8.8	4.81	56.6	48.9	
04/15/16	14:39:47	22.66	5.95	199.6	8.8	4.81	56.6	48.9	
04/15/16	14:39:46	22.66	5.95	199.6	8.8	4.82	56.6	49.0	
04/15/16	14:39:45	22.66	5.95	199.5	88	4.82	56.6	49.0	
04/15/16	14:39:44	22.66	5.95	199.5	8.8	482	56.6	48.9	
04/15/16	14:39:43	22.66	5.95	199.4	8.8	482	56.6	48.9	
04/15/16	14:39:42	22.66	5.95	199.3	8.8	4.82	56.6	48.9	
04/15/16	14:39:41	22.66	5.95	199.2	8.5	4.82	56.6	48.9	
04/15/16	14:39:40	22.66	5.95	199.2	8.8	4.82	56.7	48.9	
04/15/16	14:39:39	22.66	5.95	199.1	8.8	4.82	56.7	48.9	
04/15/16	14:39:38	22.65	5.95	199.0	8.8	4.82	56.7	48.9	

Accessories for Every Application

Standard accessories include flow cells, copper-gauze anti-fouling kits, cable reels, SDI-12 converters, hard-sided cases, pipe kits to protect logging units in the field, weather stations, auxiliary batteries, auxiliary batteries with Bluetooth, and a full line of calibration standards including secondary calibration standards for fluorometers.



Mobile Version



The new Manta Manager also offers a tablet and smartphone version with new "small screen" features like "swipeable" pages and large, high-contrast numbers for easier visibility in sunlight.



Applications

lakes, rivers, ground water, storm water, estuaries, streams, ponds, near-shore oceanographic, process waters, waste waters, laboratory research

Site to Site Profiling





Process Monitoring



Unattended Logging

Ground Water



Telemetered Deployments





Buoy Deployments

				manta	a2 +™ Mu	tiprobe Specificatio	ns						
			Trimeter Manta-		a+20	Manta+25	Ma	anta+30	Manta+35	Manta+40			
	ameter		1.85"	1.95"		2.45"		2.95"	3.5"	4.00"			
	Length - w/o Battery Pack - Add Internal Battery Pack		13.5" 22"	19' 27'		19" 27"		19" 27"	19"	19"			
	t - with IBP		2.8 lbs	2.4		2.5 lbs		5.0 lbs	9.0 lbs	10.0 lbs			
- with	- without battery		2.2 lbs	-		-				-			
Numbe	Number of sensors		gle sensor plus nd temp option	Up to		Up to 3	Up to 7		Up to 11	Up to 13			
Bat	Battery Pack		"D" cells	2 "D"		2 "D"	8	"C" cells 8 "C" cells		8 "C" cells			
Operating Temperature			-5 to 50 C										
	th Rating nunications	200 m RS-232, SDI-12, USB or Bluetooth											
	ıple Rate		1 Hz										
Data Memory >1,000,000 logged readings													
Amphibian2 Handheld Display													
Size 3.6" W x 7.25" L x 1.5" D													
	Veight	1.3 lbs											
	ting System Rating		Microsoft® Windows Embedded Handheld 6.5.3 IP68										
	nd Data Storage			512MB	RAM; 8 GB as	h - > 8,000,000 logged read	ngs						
					Sensor	Specifications							
	parameter		range		resolution	•	,		comments				
temperature	water temperatur	e	-5 to 50 C		0.01	0.1		never needs calibration					
pH/ORP	рН		0 to 14 units	nits 0.1			0.1 within 10 C of calibration, 0.2 otherwise		refillable reference electrode; corrected for temperature; typical sensor life > 4 years				
	ORP		-999 to 999 mV	99 mV 1		20 mV	20 mV		platinum ORP sensor is combined with pH sensor				
turbidity	turbidity		0 to 40 FNU	4 digits with maximum of two				compensated for	for temperature; filtered for non-turbidity spikes; inclu				
			40-400 FNU 400-5000 FNU		decimals		2% of reading or 0.2 2% of range		wiper to clean the optics				
	transmissivity		0 to 100% transmission	ssion 4 digits			linearity of 0.99R ²		WETLabs SeaStar; mounts alongside the Manta				
	concentration		0 to 20 mg/l		0.01								
optical dissolved oxygen			20 to 30 mg/l		0.01		0.15 5% corresponds with the accuracy of		or temperature and salinity; E	PA approved "lifetime"			
			30 to 50 mg/l		0.1				nethod; typical sensor cap life				
	% saturation		0 to 500% saturation	n	0.1%	the concentratio							
conductivity	specific conductance, µS/cm		0 to 5000 µS/cm				±0.5% of reading ±0.001						
	specific conductance, mS/cm		0 to 10 mS/cm		4 digits wi maximum of	one			corrected for temperature; four easy-to-clean graphite electrodes; optional sensor provides ±0.5% of reading accuracy to 100 mS/cm.				
			10 to 100 mS/cm 100 to 275 mS/cm	_	decimal	1% of read	-	optional sensor	provides ±0.5 % of reading a	10.5 % of reading accuracy to 100 ms/cm.			
,			0 to 70 PSS		0.01	0.2			n specific conductance; PSS = Practical Salinity Scale whic				
	salinity								is roughly equivalent to ppt				
	total dissolved solids (TDS)		0 to 65 g/l 0 to 25 m	,			5% of reading 0.05		calculated from specific conductance compensated for temperature and salinity; 0.05 m out of 25 m is 2" out of				
	depth		0 to 200 m	0.01		0.03			or temperature and salinity; 0 out of 200 m is a football leng				
pressure	vented depth (level)		0 to 10 m			0.003m			compensated for temp, salinity, barometric pressure				
	barometric pressure		400 to 900 mm Hg			1.5		included with d					
	total dissolved gas (400 to 1,400 mm Hg 0 to 500µg/l]	0.1	1		compensated for temperature; maximum depth 15m		pth 15m			
	chlorophyll a - blue chlorophyll a - red		0 to 500µg/l	g/l									
fluorometers	rhodamine dye		0 to 1000 ppb										
	Phycocyanin (freshwater BGA)		0 to 40,000 ppb										
	Phycoerythrin (marine BGA)		0 to 750 ppb 0 to 1250 or 0 to 5000	to 5000 ppb 6 digits with		th I		highest-quality Turner Designs fluorometric sensors; fluorometers often require non-trivial calibration; custom optics available upon request					
	CDOM/fDOM CDOM/fDOM custom		0 to 1250 or 0 to 5000				99R ²						
	optical brightene	rs	0 to 15,000 ppb) ppb									
	tryptophan		0 to 20,000 ppb										
	fluorescein dye refined oil crude oil		0 to 500 ppb										
			0 to 10,000pb 0 to 1500 ppb	_									
ion-selective electrodes (ISE's)	ammonium		0 to 100 mg/l as nitro	gen									
	nitrate		0 to 100 mg/l as nitro	gen				corrected for ionic strength (via conductivity readings); the accuracy					
	chloride sodium calcium bromide		0 to 18,000 mg/l	0.1 mg/l		5% or 2 mg	/1	specification relies on non-trivial maintenance practice and frequent calibration near the temperature of measurement; ammonium and					
			0 to 20,000 mg/l 0 to 40,000 mg/l					nitrate require tip replacement every 3 - 6 months					
			0 to 80,000 mg/l										
PAR	photometric PAF	2	10,000 µmol/sm2		4 digits	5% of read	ng	LiCor spherical	sensor				
					V	/arranty							
Manta+ Multiprobe						Underwater cables							
Amphibian2 Handhel Optical DO Cap	d		2 years 3 years	Bluetooth Module	Bluetooth Module 3 years								
<u> </u>	, ALWAYS CALIBRATE NFAF		· · · · · · · · · · · · · · · · · · ·	, AND NF	AR THE TEMP	PERATURE OF THE ANTICIPA	red field RF#	ADINGS.					
	except ISE's (Ammonia/nit												

"All sensors included except ISE's (Ammonia/nitrate/chloride); pH sensor included in 3 year warranty Specifications indicate typical performance and are subject to change

About Us

Eureka was formed in 2002 by industry veterans who believed there was considerable room in the multiprobe market for improvements in technology and customer service. Eureka, an employee-owned partnership, includes the company's founder along with partners from both Europe and Asia with extensive history in the water quality industry.

Eureka Water Probes continues to provide innovative, reliable multiprobes backed by market-leading customer service. Designing and manufacturing the world's best multiprobes remains our sole focus.

Give us a call – we can make your data-collection easier, better and less expensive.

Worldwide Distribution

Eureka Water Probes 2113 Wells Branch Parkway Austin , TX 78728 Tel +1.512-302-4333 www.waterprobes.com

For a complete list of our international partners, please see www.waterprobes.com/contact.

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