



SONDAS MULTIPARAMÉTRICAS

TRIMETER

ESPECIFICACIONES TÉCNICAS



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El Trimeter admite cualquier sensor* de la lista de parámetros del sensor, MÁS sensores de temperatura y profundidad (ambos son opcionales). Por ejemplo, una configuración de Trimeter podría ser turbidez, temperatura y profundidad. Otro ejemplo podría ser DO y temperatura. Los cables de comunicación de Eureka son compatibles con todas las multisondas Manta y Trimeter. Los trímetros son tan versátiles como nuestra línea insignia de sondas múltiples Manta cuando se trata de variedad de aplicaciones. Conecte el Trimeter a una de nuestras opciones de visualización de campo para tomar muestras en el campo, o agregue un paquete de baterías para implementaciones autónomas a largo plazo. Conéctese a una estación de telemetría para ver datos en tiempo real en la nube. *Las excepciones incluyen PAR, CO₂, ISE y transmisómetro.



CARACTERÍSTICAS

Sensor	Parameter	Range & Units	Resolution	Accuracy	Comments
temperature	temperature	-5 to 50 C	0.01	±0.1	calibration not required
pH/ORP	pH	0 to 14 units	0.01	±0.1 within 10 C of calibration; or 0.2 otherwise	refillable reference electrode; corrected for temperature; typical sensor life >6 years; optional ORP sensor is combined with pH sensor
	ORP	-999 to 999 mV	0.1	±20 mV	
conductivity	specific conductance, µS/cm	0 to 5000 µS/cm	0.1	±0.5% of reading or ±1 w.i.g.	corrected for temperature; four easy-to-clean graphite electrodes; optional sensor provides ±0.5% of reading accuracy to 100 mS/cm.
	specific conductance, mS/cm	0 to 100 mS/cm	0.001	±1% of reading ±0.001	
		100 to 275 mS/cm	0.001	±2% of reading	
	salinity	0 to 70 PSU	0.01	±2% of reading	calculated from conductivity and temperature, PSU is equivalent to ppt
	total dissolved solids (TDS)	0 to 65 g/l	0.1	±5% of reading	
dissolved oxygen (optical sensor)	concentration	0 to 20 mg/l	0.01	±0.1	compensated for temperature and salinity; EPA approved "lifetime" luminescence method; typical sensor cap life > 6 years
		20 to 30 mg/l	0.01	±0.15	
		30 to 50 mg/l	0.01	±5% of reading	
	% saturation	0 to 500% saturation	0.1	corresponds with the accuracy of the concentration reading	
turbidity	turbidity	0 to 1000 FNU	0.01	±0.3 FNU or ±2% of reading w.i.g.	filtered for non-turbidity spikes; includes wiper to clean the optics; FNU and NTU are interchangeable
		1000 to 4000 FNU			
pressure	depth	0 to 25 m	0.01	±0.05	compensated for temperature and salinity
		0 to 200 m		±0.4	
	vented depth	0 to 10 m	0.001	±0.003	compensated for temp, salinity, barometric pressure
	barometric pressure	400 to 900 mm Hg	0.1	±1.5	included with depth sensor
	total dissolved gas (TDG)	400 to 1,400 mm Hg	0.1	±1	compensated for temperature; maximum depth 15m
fluorometers	chlorophyll a - blue	0 to 100 µg/l	0.01	linearity of 0.99 R ²	highest-quality fluorometric sensors; fluorometers often require non-trivial calibration; custom optics available upon request
	chlorophyll a - red	0 to 500 µg/l			
	rhodamine dye	0 to 200 ppb			
	Phycocyanin (freshwater BGA)	0 to 4500 ppb			
	Phycocerythrin (marine BGA)	0 to 700 ppb			
	CDOM/FDOM	0 to 500 ppb			
	optical brightener	0 to 300 ppb			
	tryptophan	0 to 5000 ppb			
	fluorescein dye	0 to 150 ppb			
	PTSA	0 to 650 ppb			
	refined oil	0 to 20 ppm			
	crude oil	0 to 300 ppb			

waterprobes.com
 sales@waterprobes.com
 2113 Wells Branch Pkwy
 Austin, TX 78728
 512-302-4333

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Ubicanos en:
 Av. Las Palmeras N° 5334
 Los Olivos 15304