AquaSonde Sensor Specifications

	Dissolved	Range	0 - 500.0% / 0 - 50.00 mg/L
(0	Oxygen	Resolution	0.1% / 0.01mg/L
	Охуден	Accuracy	0 - 200%: ± 1% of reading. 200% - 500%: ± 10%
	Depth AP-2000/	Range	± 0 - 60.00 m (60m max displayed depth, max probe immersion 100m)
		Resolution	1cm
رې	AP-5000	Accuracy	± 0.5% FS
—	Depth	Range	± 0 - 99.99 m
Ψ	AP-7000	Resolution	1cm
يد	7.11 7.000	Accuracy	± 0.2% FS
a a	Conductivity	Range	0 - 200 mS/cm (0 - 200,000 μS/cm)
Č	(EC)	Resolution	3 Auto-range scales: Ο - 9999 μS/cm, 10.00 - 99.99 mS/cm, 100.0 - 200.0mS/cm
	(20)	Accuracy	± 1% of reading
Standard Parameters		Range	0 – 100,000 mg/L (ppm)
کو	TDS*	Resolution	2 Auto-range scales: 0 - 9999mg/L, 10.00 - 100.00g/L
		Accuracy	± 1% of reading
O		Range	5 Ω • cm − 1 MΩ • cm
	Resistivity*	Resolution	2 Auto-range scales: 5 - 9999 Ω • cm, 10.0 - 1000.0 KΩ • cm
		Accuracy	± 1% of reading
77		Range	0 - 70 PSU / 0 - 70.00 ppt (g/Kg)
ح	Salinity*	Resolution	0.01 PSU / 0.01 ppt
		Accuracy	± 1% of reading
\mathbf{G}	Seawater	Range	0 - 50 ot
70	Specific	Resolution	0.1 ot
–	Gravity*	Accuracy	± 1.0 ot
		Range	0 - 14 pH / ± 625mV
(O	pН	Resolution	0.01 pH / ± 0.1mV
ي		Accuracy	± 0.1 pH / ± 5mV
(U)	ORP	Range	± 2000mV
		Resolution	0.1mV
		Accuracy	± 5mV
	Temperature (non freezing)	Range	-5°C – +50°C (23°F – 122°F)
		Resolution	0.01℃ / 0.1°F
	(Accuracy	± 0.1 ℃

^{*} Readings calculated from EC and temperature electrode values

ISE	Ammonium	Range	0 – 9,000mg/L (ppm)
		Resolution	2 Auto-range scales: 0.00 - 99.99 mg/L, 100.0 - 8,999.9 mg/L
		Accuracy	± 10% of reading or 2ppm (whichever is greater)
	Ammonia [†]	Range	0 – 9,000mg/L (ppm)
		Resolution	2 Auto-range scales: 0.00 - 99.99 mg/L, 100.0 - 8,999.9 mg/L
		Accuracy	± 10% of reading or 2ppm (whichever is greater)
	Chloride	Range	0 – 20,000mg/L (ppm)
		Resolution	2 Auto-range scales: 0.00 - 99.99 mg/L, 100.0 - 19,999.9 mg/L
		Accuracy	± 10% of reading or 2ppm (whichever is greater)
	Fluoride	Range	0 – 1,000mg/L (ppm)
		Resolution	2 Auto-range scales: 0.00 - 99.99 mg/L, 100.0 - 999.9 mg/L
		Accuracy	± 10% of reading or 2ppm (whichever is greater)
	Nitrate	Range	0 – 30,000mg/L (ppm)
		Resolution	2 Auto-range scales: 0.00 - 99.99 mg/L, 100.0 - 29,999.9 mg/L
		Accuracy	± 10% of reading or 2ppm (whichever is greater)
	Calcium	Range	0 - 2,000mg/L (ppm)
		Resolution	2 Auto-range scales: 0.00 - 99.99 mg/L, 100.0 - 1,999.9 mg/L
		Accuracy	± 10% of reading or 2ppm (whichever is greater)

Ammonium electrode required. Readings calculated from ammonium, pH and temperature values.

_	Turbidity	Range	0 – 4000 NTU
		Resolution	2 Auto-range scales: 0.0 - 99.9 NTU, 100 - 4000 NTU
		Accuracy	± 5% of auto-ranged scale
	Chlorophyll	Range	0 – 500.0 μg/L (ppb)
		Resolution	2 Auto-range scales: 0.00 - 99.99 μg/L, 100.0 - 500.0 μg/L
		Repeatability	± 5% of reading
	Phycocyanin (freshwater BGA)	Range	0 - 300,000 cells/mL
		Resolution	1 cell/mL
		Repeatability	± 10% of reading
TO TO	Phycerythrin (marine BGA)	Range	200,000 cells/mL
C)		Resolution	1 cell/mL
Optical		Repeatability	± 10% of reading
ىد	Rhodamine WT Dye	Range	0 – 500 μg/L (ppb)
		Resolution	2 Auto-range scales: 0.00 - 99.99 μg/L, 100.0 - 500.0 μg/L
		Accuracy	± 5% of reading
	Fluorescein Dye	Range	0 – 500 µg/L (ppb)
		Resolution	2 Auto-range scales: 0.00 - 99.99 μg/L, 100.0 - 500.0 μg/L
		Accuracy	± 5% of reading
	Refined Oil	Range	0 – 10,000 μg/L (ppb) (Napthalene)
		Resolution	0.1 μg/L
		Repeatability	± 10% of reading
	CDOM / FDOM	Range	0 – 20,000 μg/L (ppb) (Quinine Sulphate)
		Resolution	2 Auto-range scales: 0.0 - 9,999.9 μg/L, 10,000 - 20,000 μg/L
		Repeatability	± 10% of reading