

Parameter Specification	Range	Resolution	Accuracy	Method
Conductivity	0 to 100,000 $\mu\text{S/cm}$	1 $\mu\text{S/cm}$	0.25% $\pm 5 \mu\text{S/cm}$	Measured
Density*	990 to 1035 kg/m^3	0.04 kg.m^3	$\pm 0.02 \text{ kg/m}^3$	EOS80**
Depth	0 to 100 m	0.01 m	$\pm 0.25\%$ FS	EOS80**
GPS	-	-	10m	-
Pressure	0 to 100 dBar	0.01 dBar	0.25% of FS	Measured
Salinity	Up to 42	0.01	± 0.1	PSS-78†
Sound Speed	1400 –1730 m/s	0.01 m/s	$\pm 0.15 \text{ m/s}$	Chen-Millero‡
Specific Conductivity§	0 to 250,000 $\mu\text{S/cm}$	1 $\mu\text{S/cm}$	0.25% $\pm 5 \mu\text{S/cm}$	EOS80**
Temperature	-5 to +45°C	0.01°C	$\pm 0.05^\circ\text{C}$	Measured

*Based on temperature resolution and accuracy.

**International Equation of State for sea water (EOS-80).

†1978 Practical Salinity Scale

‡ Chen-Millero, 1977. Speed-of-sound in sea water at high pressures.

§ Based on 100,000 $\mu\text{S/cm}$ at -5°C.

Specification	
Communications	Internal BlueTooth Radio (Class 2) Up to 10m range
Dimensions — Diameter	7.11 cm 2.8 in
Dimensions — Height	20.32 cm 8.0 in
Dimensions — Weight	0.45 kg 1.0 lbs
Power	2 Standard AA batteries for 40+ hours of operation
Recorder	15 MB recorder Good for 750+ casts during typical use
Sample Rate	5Hz