

Beam Specifications	Vertical Beam	Slanted Beams
Range	0.2m to 80m	0.2m to 40m
Beam Angles	8°	3°
Specification		
Depth — Accuracy	0.02m (sound speed corrected)	
Depth — Resolution	0.001m	
Swath Width	50°	
Profiling Range — Distance	0.06m to 40m	
Profiling Range — Velocity	± 10 m/s	
Velocity — Accuracy	Up to ± 0.25%, ± 0.2 cm/s	
Velocity — Resolution	0.001 m/s	
Number of Cells	Up to 128	
Cell Size	0.02m to 4m	
Acoustic Bottom Tracking — Range	± 10 m/s	
Acoustic Bottom Tracking — Altitude	0.2 – 40m	
SonTek RTK GPS — Horizontal Precision (Repeatability)	<0.03m	

Specification	
SonTek DGPS — SBAS GPS Horizontal Accuracy	<1.0m
Transducer Configuration	8-beam Janus (4 x 1MHz; 4 x 3MHz) and 1 Vertical Beam (0.5 MHz)
Temperature Sensor — Resolution	± 0.01°C
Temperature Sensor — Accuracy	± 0.1°C
Compass — Type	Solid State type, with Built-in Inclinometer
Compass — Range	Full 360°
Compass — Heading Accuracy	± 2°
Compass — Tilt Accuracy	± 1°
Power	12-18 VDC
Operating Temperature	-5°C to 45°C
Storage Temperature	-20°C to 70°C