

PandaADCP-SC-75K-Phased

1000m, 3000m, 6000m self - contained ADCP



TECHNICAL SPECIFICATIONS

Brand	PandaADCP		
Working Frequency	75kHz		
Operating Mode	Self-Contained		
Batteries	Lithium Battery(2300)		
Water Profiling Range (Broadband / Narrowband)	550m/650m		
Bottom Track Range	1000m		
Velocity Accuracy	±1.0%±5mm/s		
Velocity Resolution	1mm/s		
Velocity Range	±5.0 m/s (Default); ±20.0 m/s (Maximum)		
Number of Depth Cells	1 - 255		
Ping Rate	1Hz(typical)		
Depth Cell Size(High Precision Mode)	4-32m		
Depth Cell Size(Long Range Mode)	32m		
Echo Intensity Dynamic Range	100dB		
Echo Intensity Precision	±1.5dB		
Standard Profiling Modes	High resolution water profiling, Fast sampling		
Beam Angle	30°		
Beam Width	3.5°		
Beam Configuration	4-beams, Phased		
Internal Memory	64 GB Micro SD Card		
Communications	RS - 232 or RS - 422		
Sensor (Water Temperature)	Range: -5°C to 45°C, Accuracy: ±0.1°C		
Sensor (Pressure	Range: according to depth rate, Accuracy: ±0.25% Range		
Sensor (Compass)	Range: 0°-360°, Accuracy: 2° RMS, Resolution: 0.01°		
Sensor (Tilt)	Range: Roll ±180° Pitch ±90°, Accuracy: < 0.1° RMS, Resolution: 0.01°		
Operating Temperature	-5°C to 45°C		
Storage Temperature (Without Batteries)	-30°C to 60°C		
Power Input	20V - 50V, 5A		
Casing	Titanium alloy		
Weight(In air/In water)	55 kg/37 kg (1000m)	62 kg/44 kg (3000m)	70 kg/52 kg (6000m)
Dimension(Exclude top connector)	Φ348 mm×322 mm (1000m/3000m/6000m)		
Available Options	-		