

PandaADCP-SC-75K

500m self - contained ADCP



TECHNICAL SPECIFICATIONS

Brand	PandaADCP
Working Frequency	75kHz
Operating Mode	Self-Contained
Batteries	Lithium Battery(2300 walt hour)
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 Pricision 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	20°
Beam Width	4.5°
Beam Configuration	4-beams, convex
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: acording 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	POM
Weight(In air/In water)	62 kg/42 kg(500m)
Dimension(Exclude top connector)	Φ600 mm×300 mm(500m)
Available Options	-