

PandaADCP-DR-75K-Phased

1000m, 3000m, 6000m direct - reading ADCP



TECHNICAL SPECIFICATIONS

Brand	PandaADCP		
Working Frequency	75kHz		
Operating Mode	Direct-Reading		
Batteries	No Batteries		
Water Profiling Range (Broadband / Narrowband)	550m/650m		
Bottom Track Range	1000m		
Velocity Accuracy	$\pm 1.0\% \pm 5\text{mm/s}$		
Velocity Resolution	1mm/s		
Velocity Range	$\pm 5.0 \text{ m/s}$ (Default); $\pm 20.0 \text{ m/s}$ (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	$\pm 1.5\text{dB}$		
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: $\pm 0.1^\circ\text{C}$		
Sensor (Pressure	Range: according to depth rate, Accuracy: $\pm 0.25\%$ Range		
Sensor (Compass)	Range: 0°-360°, Accuracy: 2° RMS, Resolution: 0.01°		
Sensor (Tilt)	Range: Roll $\pm 180^\circ$ Pitch $\pm 90^\circ$, Accuracy: $< 0.1^\circ$ 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)	52 kg/34 kg (1000m)	58 kg/38 kg (3000m)	65 kg/47 kg (6000m)
Dimension(Exclude top connector)	$\Phi 350 \text{ mm} \times 203 \text{ mm}$ (1000m)	$\Phi 360 \text{ mm} \times 229 \text{ mm}$ (3000m)	$\Phi 370 \text{ mm} \times 244 \text{ mm}$ (6000m)
Available Options	-		

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Specifications subject to change without notice.

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