

PandaADCP-DR-300K

200m, 1000m, 3000m, 6000m direct - reading ADCP



TECHNICAL SPECIFICATIONS

Brand	PandaADCP		
Working Frequency	300kHz		
Operating Mode	Direct-Reading		
Batteries	No Batteries		
Water Profiling Range (Broadband / Narrowband)	120m/160m		
Bottom Track Range	220m		
Velocity Accuracy	±0.5%±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	2Hz(typical)		
Depth Cell Size(High Precision Mode)	1-8m		
Depth Cell Size(Long Range Mode)	8m		
Echo Intensity Dynamic Range	100dB		
Echo Intensity Precision	±1.5dB		
Standard Profiling Modes	High resolution water profiling, Fast sampling		
Beam Angle	20°		
Beam Width	3.5°		
Beam Configuration	4-beams, convex		
Internal Memory	64 GB Micro SD Card		
Communications	RS - 232 or RS - 422		
Sensor (Water Temperature)	Range: -5° - 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° to 45° C		
Storage Temperature (Without Batteries)	-30° to 60° C		
Power Input, Power Consumption	20V - 50V, ≤10W		
Casing	Titanium alloy		
Weight(In air/In water)	3.8 kg/2.9 kg (200m/1000m)	7.2 kg/5.7 kg (3000m)	8.4 kg/7.4 kg (6000m)
Dimension	Φ224 mm×160 mm (200m/1000m)	Φ230 mm×160 mm (3000m)	Φ230 mm×165 mm (6000m)
Available Options	External battery case, Bottom tracking, AC/DC power converter		