

CHCN  AV

ADCP

River Star Series





River Star series ADCP adopts five-beam design with two models RS-1200/RS-600, which are equipped with a centralized vertical beam of 300kHz as standard. Relying on the new hardware and structure design and reliable data accuracy, River Star ADCPs significantly improve the efficiency and making the work more efficient!

SPECIFICATIONS

	RS1200	RS600
Frequency	1200kHz	600kHz
Transducer	5 beams	
Beam	4 x 20°, 1 vertical beam	
Water Velocity Profiling		
Water Velocity Profiling	±20m/s maximum; ±5m/s default	
Resolution	1mm/s	
Number of cells	260	
Cell size	0.02~2m	0.05~4m
Profiling Range	0.15~40m	0.3~90m
Accuracy	± 0.25% ±2mm/s	
Bottom Tracking		
Depth Range	0.15~55m	0.3~120m
Accuracy	± 0.25% ±2mm/s	
Velocity range	±20m/s maximum ;±5m/s typical	
Vertical Beam ((Depth Measurement)		
Frequency	300kHz	
Range	0.2~180m	
Standard Sensors		
Compass: Range/Accuracy/Resolution	0~360°/±0.1°/0.01°	
Tilt (pitch and roll): Range/Accuracy/Resolution	±40°/±0.15°/0.01°	
Temperature: Range/Accuracy/Resolution	-10℃~85℃/±0.1℃/0.01℃	
General Feature		
Operating Mode	Broadband / pulse-coherent; automatic / manual	
Data output rate	1-20Hz	
Voltage range	11 ~ 36 VDC	
Material	Engineering plastics	
Size (Height×Diameter)	191mm×170mm	195mm×229mm
Weight	3.88kg	6.86kg
Communication	RS232,115200 (default) ,4800~115200	
Internal Storage	32G(extensible)	
Storage temperature	-30℃-70℃	
Operating temperature	-5℃-50℃	
Software	HydroProfiler、EasySail (Android)	

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