Model	S9-1600	S9-600
Flow rate specifications		
Working Mode	Broadband, narrowband, pulse coherence modes	
Section Range	0.05~25m	0.07~100m
Flow rate accuracy	0.25%±2.0mm/s (resolution 1mm/s)	
Unit size (automatically adjustable)	0.02~1m	0.02~4m
Flow rate range	Max. 20m/s	
Number of units	172F	
Maximum bang frequency	12/s	
Flow measurement range	0.2~26m	0.4~120m

Bottom Tracking		
Maximum depth (vertical beam)	26m（120m）	100m（120m）
Minimum Depth	0.1m	0.2m
Speed range	±10m/s	
Bottom tracking accuracy	±0.25%±2mm/s	
Depth measurement accuracy	1% (resolution: 1mm)	

Power consumption	
Transmission power	6~20W

hardware		
sensor	9 beams (2 groups of different frequency speed measurement, 1 vertical depth measurement)	
frequency	1.6MHz、1.9MHz	0.6MHz、0.7MHz
Center beam frequency	0.5MHz	
Beam Angle	Velocity beam 22 degrees	
Beam Angle	1.4 degrees	
Shell material	Aluminum alloy, engineering plastics (optional)	
communication	RS232 or RS422, wireless radio or Bluetooth	
Internal memory card	Standard 8G (optional 16G)	
Optional working mode	Continuous mode, sleep mode	
Underwater installation depth	100m, 800m, 1500m, 3000m, 6000m (customizable)	
size	Diameter 167mm*Height 290mm	
weight	3.9kg（In the air）	

Standard Sensors	
temperature	Accuracy: ±0.01℃, Range: -10~85℃ Resolution: 0.01℃
Compass	Measuring range: ±360°, accuracy: ±2°, resolution: 0.1°
Inclinometer (pitch and roll)	Range ±360°, Accuracy ±1°, Resolution 0.01°

Communication	
Radio station communication distance	1000m above
Can communicate with computers and other terminals wirelessly or via direct cable, and the communication distance meets daily measurement needs	

Power supply (built-in lithium battery)	
Power supply time	More than 8 hours
Standard 220V external power adapter and battery charger	

software	
Data Format	Support ASCII code export (files can be opened with EXCEL) and multi-format data processing
operating system	Can run under Windows
show	Track, topography, velocity profile, velocity stratification and other data or charts
ADCP software can automatically generate flow rate and flow rate reports according to user requirements without other post-processing software.	