

H-ADCP-600K

Horizontal ADCP 600kHz



TECHNICAL SPECIFICATIONS

Model	
Working Frequency	600 kHz horizontal beam / 600 kHz central vertical beam
Beam Configuration	3 beams (2×20° horizontal beams / 1×0° central beam)
Transducer type	Piston
Water Profiling Range	1~120m
Velocity Accuracy	0.25% ±2mm/s
Velocity Resolution	1mm/s
Velocity Range	±5.0 m/s (Default); ±20.0 m/s (Maximum)
Number of Depth Cells	1 - 260
Depth Cell Size	0.25-4m
Ping rate	Max 20Hz
Acoustic Water Level Accuracy	0.1%±3mm
Acoustic Water Level	0.2~40m
Pressure Rating	50 m (standard)
Sensor (Water Temperature)	Range/Accuracy/Resolution: -10℃~+60℃ / ±0.1℃ / 0.01℃
Sensor (Pressure)	Range/Accuracy/Resolution: 0-200m/0.5%FS/0.01m
Sensor (Attitude)	Range/Accuracy/Resolution: ±90° / ±0.2° / 0.01°
Internal Memory	16 GB Micro SD Card
Communications	RS-232、RS-422、WIFI; Baud Rate: 9600-115200
Operating Temperature	-5℃~+45℃
Storage Temperature	-30℃~+60℃
Power Input	9~18VDC (standard 12V)
Power consumption	3.5W (average)
Material	Engineering Plastic
Weight	5kg (In Air)

Key Features

- **Large Range** : In broadband working mode, the H-ADCP-600K boasts a maximum horizontal profiling range of up to 120 meters.
- **High Accuracy**: Its velocity measurement accuracy reaches $\pm 0.25\% \pm 0.2 \text{ cm/s}$.
- **Low Power Consumption**: Equipped with advanced system power management technology, its sleep power consumption is reduced to the microwatt level.
- **High Reliability**: The instrument features mature hardware design, ensuring stable and dependable performance.
- **WIFI Transmission** : It supports RS232, RS422, and WIFI data transmission methods, allowing wireless device connection and data transfer.

Applications

- Water Resources & Hydrology
- Marine Engineering
- Environmental Monitoring Systems
- Research Institutes & Laboratories
- Channel and River Measurements
- Ocean Observation Systems

Dimensions

