

# ADCP-1200K

200m ( Optional: 1000m/ 3000m)



## TECHNICAL SPECIFICATIONS

| Model                                | ADCP-1200K                                                                       |
|--------------------------------------|----------------------------------------------------------------------------------|
| Working Frequency                    | 1200kHz                                                                          |
| Beam Configuration                   | 5 Beams Janus, 20°(600kHz central beam)                                          |
| Working Mode                         | Broadband, Narrowband, Pulse Coherente                                           |
| Transducer type                      | Piston                                                                           |
| Water Profiling Range                | 0.1-40m                                                                          |
| Bottom Track Range                   | 0.15- 50m                                                                        |
| Velocity Accuracy                    | 0.25% ±0.2cm/s                                                                   |
| Velocity Resolution                  | 1mm/s                                                                            |
| Velocity Range                       | ±5.0 m/s (Default); ±20.0 m/s (Maximum)                                          |
| Number of Depth Cells                | 1 - 260                                                                          |
| Ping rate                            | Max 20Hz                                                                         |
| Depth Cell Size(High Pricision Mode) | 0.02-2m                                                                          |
| Depth Cell Size(Long Range Mode)     | 2m                                                                               |
| Internal Memory                      | 16 GB Micro SD Card                                                              |
| Communications                       | RS-232 typical, RS-422(optional), WIFI(optional);<br>Baud rate: 4800-115200      |
| Sensor (Water Temperature)           | Range/Accuracy/Resolution: -10℃~+60℃ / ±0.1℃ / 0.001℃                            |
| Sensor (Pressure)                    | Range/Accuracy/Resolution: 0-200m/0.5%FS/0.01m                                   |
| Sensor (Compass )                    | Range/Accuracy/Resolution: 0°~360° / ±0.5° / 0.001°                              |
| Sensor (Motion)                      | Range/Accuracy/Resolution: ±30° / ±0.2° / 0.001°                                 |
| Operating Temperature                | -5℃~+45℃                                                                         |
| Storage Temperature                  | -20℃~+60℃                                                                        |
| Power Input                          | 9~18VDC (standard 12V)                                                           |
| Power consumption                    | 3.5W (average)                                                                   |
| Material                             | Engineering plastic, aluminum alloy and titanium alloy three material selectable |
| Dimension(Exclude top connector)     | Φ165 mm×235 mm                                                                   |
| Float Configuration                  | Three hulls(Trimaran), USV; Material: Polyethylene(Trimaran), Carbon Fiber (USV) |
| Available Options                    | External battery case, Bottom tracking, AC/DC power converter                    |