

DVL-600K Phased

Doppler Velocity Log phased-array

300m (optional: 3000m, 6000m)



TECHNICAL SPECIFICATIONS	
Working Frequency	600kHz
Array Type	Phased Array
Bottom Tracking Altitude	1 m ~ 110 m
Bottom Tracking Velocity Range	±7.5m/s
Bottom Tracking Accuracy	±0.2% ±1mm/s
Bottom Tracking Resolution	0.05 mm/s
Water Profiling Range	2m-50m
Water Profiling Velocity Range	±7.5m/s
Water Profiling Long Term Accuracy	±0.2%±2mm/s
Source Level (re 1 µPa)	215 dB@1 m
Beam Width(1-Way)	2.3°
Number of Beams	4-phased array
Beam Angle (nominal)	30°
Maximum Operating Depth	300m (optional: 3000m, 6000m)
Current Profiling Capability	10m fixed water layer
Acoustic Array Pressure Resistance	1 Mpa (customizable per user requirements)
Velocity Measurement Modes	Auto Current Tracking, Bottom Tracking (Automatic Switching)
Sound Speed Correction	Not required
Operating Voltage	18 ~ 36 VDC
Average Power Consumption	≤15 W
Operating Temperature	-5°C to 45°C
Storage Temperature	30°C to 60°C
Electronic Chassis Dimensions	125 × 100 × 100 mm
Phased Array Dimensions	Φ82.5 mm × 36 mm or Φ75 mm × 40 mm (excluding vulcanized cable)
Weight	Phased Array: < 0.6 kg (excluding vulcanized cable) Signal Processing Module: < 0.9 kg
Communications	Interface Type: Standard RS-422; Output Data Format: PD6 (ASCII). Frames Transmitted in Bottom Tracking Mode: :BI, :BD Frames Transmitted in Water Layer Tracking Mode: :WI, :WD