

DVL A100

SKU: WL-DVL-A100

Compact high accuracy Doppler Velocity Log (DVL) designed to deliver precise velocity measurements in a lightweight, integration-friendly package. The 1,000 meter depth rated A100 provides reliable bottom-track performance with an acoustic range of up to 100 meters, making it ideal for close-range and mid-range underwater operations.

Supplier: Water Linked



TECHNICAL SPECIFICATIONS

Acoustic performance

Transducer frequency	625 kHz
Transducer setup	4-beam convex Janus array
Transducer beam angle	22.5 degrees
Ping rate	1 - 15 Hz (adaptive to altitude)
Sensor assists	Integrated AHRS/IMU
Min altitude	5 cm
Max altitude	100 meters (dependent on seabed conditions, salinity levels etc.)
Max velocity	5 m/s
Velocity resolution	0.1 mm/s
Long term accuracy	±1.01 % (Standard version), ±0.1 % (Performance version)

Electrical interface

Input voltage	10 - 30 Vdc
Power consumption	8 W

Power-on current surge 30 W

Physical interface Rear-entry O-ring interface (2.5 m shielded cable)
Side-entry (2.5 m shielded cable)
Side-entry (0.4 m with Seacon MC8M)

Indicator Status LED (Power, Lock)

Communication Ethernet & Serial (RS232)

Protocols Water Linked API, PDO, PD4, PD6

Mechanical

Diameter 90 mm

Height 34 mm

Weight in air 0.2 kg

Weight in water 0.125 kg

Depth rating 1,000 m

Material PEEK (housing), Stainless Steel 316 (back plate)

Operating temperature -5 to 55 °C

Approvals

Certificates CE
