

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
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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)
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Indicator	Status LED (Power, Lock)
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Communication	Ethernet & Serial (RS232)
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Protocols	Water Linked API, PDO, PD4, PD6
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Mechanical

Diameter	90 mm
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Height	34 mm
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Weight in air	0.2 kg
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Weight in water	0.125 kg
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Depth rating	1,000 m
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Material	PEEK (housing), Stainless Steel 316 (back plate)
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Operating temperature	-5 to 55 °C
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Approvals

Certificates	CE
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