

## DVL A100

SKU: WL-DVL-A100

Kompakt Doppler Velocity Log (DVL) med høy nøyaktighet, utviklet for å levere presise hastighetsmålinger i en lett og integrasjonsvennlig pakke. A100 er dybdeklassifisert til 1 000 meter og gir pålitelig bunnsparing med en akustisk rekkevidde på opptil 100 meter, noe som gjør den ideell for undervannsoperasjoner på kort og mellomlang avstand.

**Leverandør:** Water Linked



### TEKNISK SPESIFIKASJON

#### Acoustic performance

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

#### Electrical interface

<b>Input voltage</b>	10 - 30 Vdc
<b>Power consumption</b>	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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