

## DVL A50

SKU: WL-DVL-A50

The DVL A50 is the smallest DVL on the market with outstanding performance. This sensor provides velocity measurements relative to the seabed with a range of up to 50 meters altitude. With the Blueye Smart Connectors, there is no configuration required to integrate this sensor. We have done all the demanding work for you.

**Supplier:** Water Linked



### TECHNICAL SPECIFICATIONS

#### Acoustic performance

<b>Transducer frequency</b>	1 MHz
<b>Transducer setup</b>	4-beam convex Janus array
<b>Transducer beam angle</b>	22.5 degrees
<b>Ping rate</b>	4 - 15 Hz (adaptive to altitude)
<b>Sensor assists</b>	Integrated AHRS
<b>Min altitude</b>	5 cm
<b>Max altitude</b>	50 meters (>35 m is dependent on seabed conditions, salinity levels, etc.)
<b>Max velocity</b>	3.75 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>	3 W

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**Power-on current surge** 15 W

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**Physical interface** 3-m cable with interface module, 8 wires,  
(Power / Ethernet / Serial)

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**Indicator** Status LED (Power, Lock)

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**Communication** Ethernet & Serial (UART 115200 baud)

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**Protocols** Water Linked API

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## ***Mechanical***

**Diameter** 66 mm

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**Height** 25 mm

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**Weight in air** 0.17 kg

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**Weight in water** 0.105 kg

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**Depth rating** 300 meters

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**Material** PEEK (housing), Stainless Steel 316 (backplate)

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**Operating temperature** -5 to 55 °C

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## ***Approvals***

**Certificates** CE

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