

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

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

Power-on current surge 15 W

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

Indicator Status LED (Power, Lock)

Communication Ethernet & Serial (UART 115200 baud)

Protocols Water Linked API

Mechanical

Diameter 66 mm

Height 25 mm

Weight in air 0.17 kg

Weight in water 0.105 kg

Depth rating 300 meters

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

Operating temperature -5 to 55 °C

Approvals

Certificates CE
