

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
