

REACH BRAVO 3

3-FUNCTION MANIPULATOR

A Tough, 3-Function Manipulator for Small Under Water Vehicles.

- All-Electric.
- 3-Functions for Precise Manipulation.
- Designed and Tested for Harsh Environments.
- Intuitive User Interface with 3D Visualisation and Telemetry.
- Software Developer Kit (SDK) for Custom Control Applications.



TECHNICAL SPECIFICATIONS	
Functions	3
Reach	360 mm / 14.2 in
Wrist Rotation Torque	20 Nm / 177 lb-in
Wrist Rotation Speed	68° / s
Grab Speed	3 s
Grab Force	80 kg / 44 lb
Lift Capacity	15 kg / 33 lb
Weight (Air)	4 kg / 9 lb
Weight (Water)	2.6 kg / 5.7 lb
Outer Diameter	82 mm / 3.2 in
Connector Cable	13 Pin Ethernet Subconn (DBH13M)
Control Modes	Position, Velocity
ELECTRICAL	
Voltage	24 - 48 V
Power (Nominal)	100 W
COMS	Serial (232 / 485) AND Ethernet
ENVIRONMENTAL	
Rated Depth	450 MSW / 1480 ft
Rated Temp	5 - 35 °C / 41 - 95 °F
Storage Temp	-10 - 80 °C / 14 - 176 °F