

# REACH BRAVO 7

## 7-FUNCTION MANIPULATOR

### Work Class Capability on Inspection Class Vehicles.

- All-Electric.
- 7-Functions for Dextrous Manipulation.
- Designed and Tested for Harsh Environments.
- Collision Avoidance for Operator Peace of Mind.
- Intuitive User Interface with 3D Visualisation and Telemetry.
- Intelligent End-Effector Control and Collision Aware Path Planning.



TECHNICAL SPECIFICATIONS	
Functions	7
Reach	900 mm / 33.5 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	10 kg / 22 lb
Weight (Air)	9.5 kg / 21 lb
Weight (Water)	4.5 kg / 10 lb
Outer Diameter	92 mm / 3.6 in
Connector Cable	8 Pin Subconn (Communications), 4 Pin Subconn (Power)
Control Modes	Position, Velocity, Cartesian Velocity (X, Y, Z, R, P, Y)
ELECTRICAL	
Voltage	24 - 48 V
Power (Nominal)	400 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