

# REACH BRAVO 5

## 5-FUNCTION MANIPULATOR

### Work Class Capability on Inspection Class Vehicles.

- All-Electric.
- 5-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                | 5   |
| Reach                    | 700 mm / 27.6 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            | 12 kg / 26 lb   |
| Weight (Air)             | 7.5 kg / 16.5 lb                                      |
| Weight (Water)           | 4 kg / 9 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)      |
| ELECTRICAL               |   |
| Voltage                  | 24 - 48 V   |
| Power (Nominal)          | 200 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                             |