BRAVO 7

A TOUGH, ELECTRIC, 7-FUNCTION MANIPULATOR FOR INSPECTION CLASS VEHICLES*

> A Revolution for Subsea Inspection & Intervention

> **DEXTEROUS** 7-Function (or custom fit) Highly Modular & Configurable

RUGGED 300m Depth Rating 10kg Full Reach Lift

SMART In-Built Kinematics Master Arm Controlled



BLUEPRINTLAB

Be Confident.

The Bravo 7 is a 7-Function manipulator that opens up a new set of compact inspection and manipulation opportunities for service providers, researchers, and other operators.

Designed to conduct tasks usually reserved for human divers, the arm's dexterity and responsiveness pave the way for advanced applications.

The form factor was specifically designed for industry leading inspection-class ROVs making it a ready-to-go option for existing fleets.

Enabling:

- Complex inspection tasks
- Underwater valve manipulation
- Special Recovery Operations



MECHANICAL

Lift Capacity 10kg (full reach) Weight (Air) 8kg Weight (Water) 4.5kg

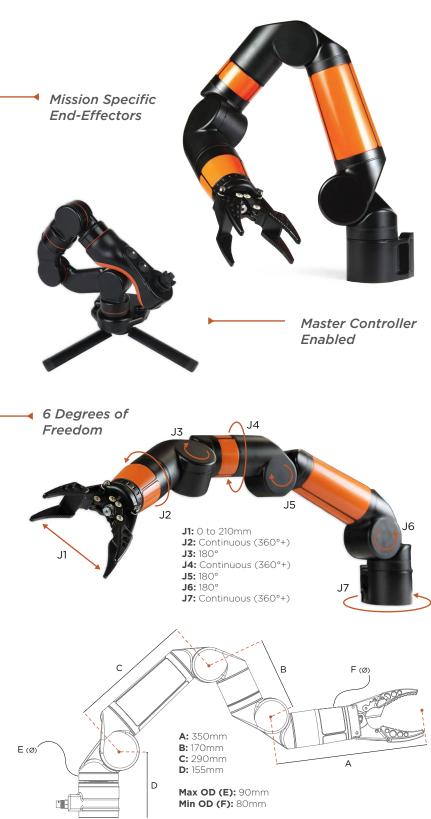
ELECTRICAL Voltage 24

COMS

24-36V 150W Nominal RS485/Ethercat

ENVIRONMENTAL

Depth Temp Material 300MSW -35°C to 35°C AL6061



(Default Configuration - customizable)

OTHER SPECS

- Reach: 0.9m
- Max Lift Capacity: 20kg
- Joint Speed: 120deg/s
- Grabber Opening: 210mm
- End-effector Accuracy: <1cm
- Grabber close speed: <3s
- End-effector interface: PWR + 1 x
 Twisted Pair
- End effectors: grabbers, probe handlers, cutters

FEATURES

- Ready-built and designed for industry leading inspectionclass vehicles
- Master Arm Controlled
- All-Electric, Zero Oil
- Highly Modular and Configurable; 1 to 7-function versions available
- Embedded controllers no additional POD
- Adjustable grab force pick up a sea urchin or cut a cable
- One-click deploy/stow position
- Corrosion and scratch resistant anodized aluminium