

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

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)
Nominal Max Lift: 20kg
Weight (Air) 8kg
Weight (Water) 4.5kg



ELECTRICAL

Voltage 20-36V
Wattage 150W Nominal
COMS RS485/Ethernet



ENVIRONMENTAL

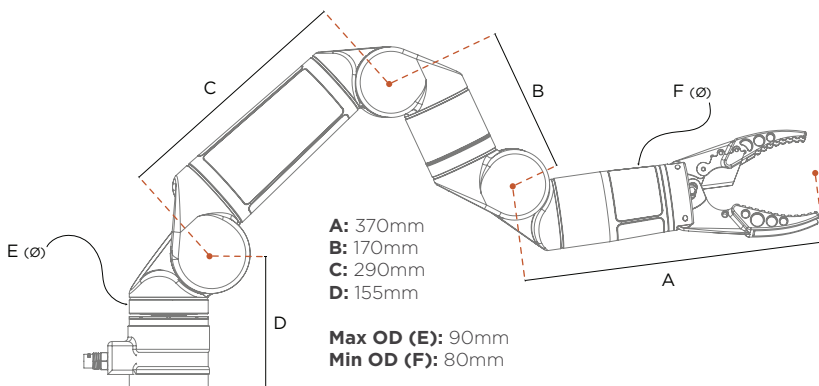
Depth 300MSW
Temp -10°C to 35°C
Material AL6061

Mission Specific End-Effectors



Master Controller Enabled

6 Degrees of Freedom



(Default Configuration - customizable)

OTHER SPECS

- Reach: 0.9m
- Max Lift Capacity: 20kg
- Joint Speed: 60deg/s nominal
- Grabber Opening: 210mm
- End-effector Accuracy: <1cm
- Grabber close force: 2000N
- Optional End-effector interface: PWR + 485 + Ethernet
- End effectors: grabbers, probe handlers, cutters

FEATURES

- Ready-built and designed for industry leading inspection-class vehicles
- Master Arm Controlled
- All-Electric, Zero Oil
- Bring Your Own Tool/Sensor - Published Interface
- 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