

SEAMOR 7F-H-ARM

The **SEAMOR 7 Function Hydraulic Articulating Robotic Manipulator (7F-H-ARM)** is one of the smallest skid-mounted hydraulic manipulator on the market today. Intuitive programmable position controls and dedicated gripper camera make operation of this manipulator easy, regardless of the operators skill level. The 7F-H-ARM was specifically designed for inspection-class mini-ROVs and can be retrofitted to most similar systems on the market.

7 Function Hydraulic Manipulator



300F2/4 ROV with 7-F-H-ARM Attachment



Rotating Gripper
With High Quality
"Gripper Cam"



Independent Controller c/w Gripper
Joystick and LCD Screen

- Easy to operate and maintain
- Home position at the touch of a button
- Recall 2 programmable positions at the touch of a button
- Gripper mounted camera
- One joystick controls all functions
- One 6-pin connector interface does it all
- One joystick controls all functions
- Dedicated gripper camera monitor
- Sampling carousel optional

Retrofit Your ROV Today!



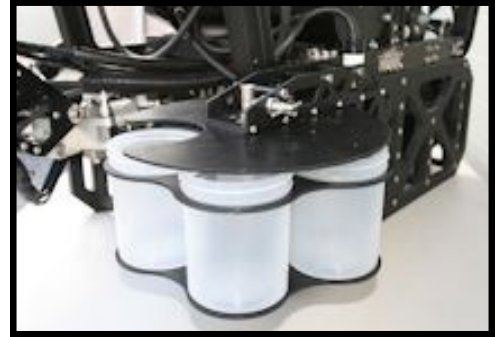
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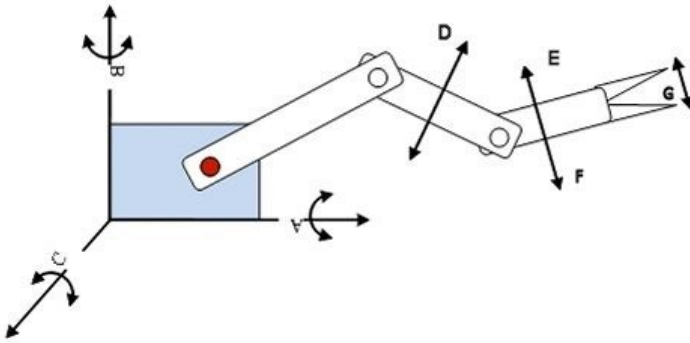
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Specifications

- Full Reach Length** _____ 42" / 107cm
(Fully extended from Slew Pivot)
- Height (Stowed Position)** _____ 24" / 60cm
- Weight (In Air)** _____ ~70lb / 32kg
(With hydraulic pump, reservoir and electronics canister on board)
- Depth Rating** _____ 1,000 ft / 300m
- Operation Pressure** _____ 500 PSI Max
- Flow Rate** _____ 4.5 LPM Max
- Construction** _____ SS316 and Aluminum 6061-T6
- Lift Capability** _____ 11 lb / 5kg at full reach



Optional 5 Sample Carousel



Seven (7) Axis

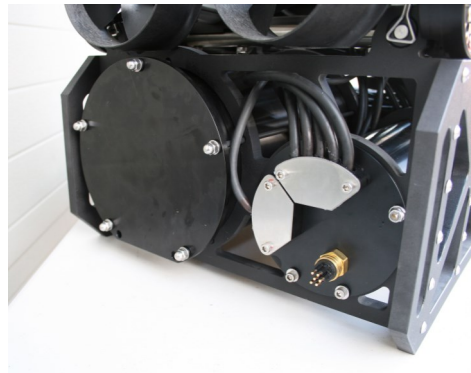
- A - Shoulder Rotation (+/- 90 deg.)
- B - Shoulder Roll (+/- 60 deg.)
- C - Shoulder Elevation (110 deg. From Stow Position)
- D - Elbow Pitch (180 deg.)
- E - Wrist Pitch +/- 90 deg.)
- F - Wrist Rotate (Continuous)

Power Requirements

500W Typical
(Built in 300V-24V DC-DC)

Onboard power, RS485
Communication and video

Standard Subconn 6-Pin
bulkhead connector interface



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