

RS1-2130

DATASHEET

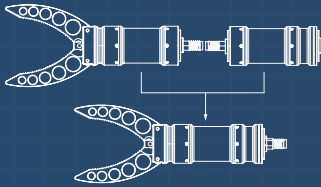
ROTATING GRABBER

The Reach System One, dual function grabber combines a high strength linear and rotatory actuator to create a highly capable subsea grabber. Internal feedback features provide operators with precise control of position, velocity and

grip force. Lighter, smaller and more capable than anything else in its class RS1-2130 extends the capability of small unmanned vehicles to manipulate and recover objects in cluttered and complex environments.

MODULAR

Two Independent Axis



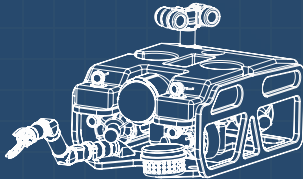
SMALL & LIGHT

40mm Standard OD



SUBSEA READY

300m Depth Rating



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SPECIFICATIONS



Mechanical

Max Lift Weight 20Kg
Weight (air) 360g
Weight (water) 240g



Electrical

Voltage 18-30V
Power 11W max
COMS RS232/485



Environmental

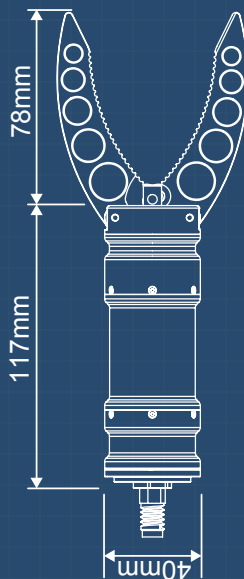
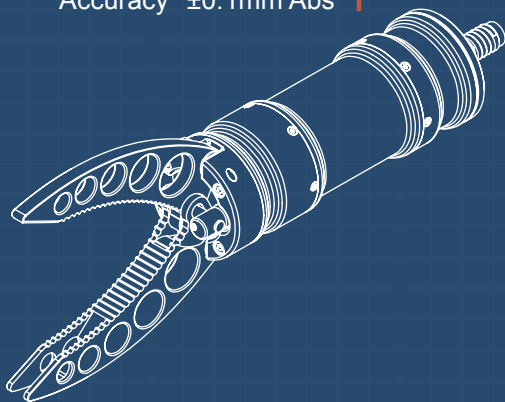
Depth 300 MSW
Temp -35 to 35°C
Material AL 6061

Linear

Force 600N
Rate 2.5mm/s
Travel 24mm
Accuracy ± 0.1 mm Abs

Rotate

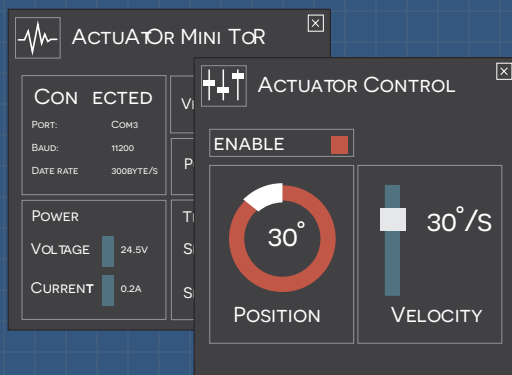
Torque 0.6Nm
Rate 60°/s
Travel 330
Accuracy $\pm 0.1^\circ$ Abs



REACH CONTROL LITE

A plug and play graphic interface for controlling, monitoring and configuring all available RS1 modules.

- Communicates over serial or UDP.
- Provides intuitive control of position, velocity and current.
- Monitoring of force, voltage and temperatures.
- Customisable limits of position, velocity and force.



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