

Arm 5E mini

5-function electric mini manipulator arm

The world's first eco-friendly solution for ROV operators



- Lightweight 15 kg in water
- Zero Oil System (oil filled system available in option)
- Depth rating 6000 m
- Lifting capacity 25 kg
- Powered by brushless 24-36 Vdc electric motors
- Skid mounted (optional)

OPERATIONAL PERFORMANCES

Slew	120° LH or RH mounting
Elevation	90°
Elbow bend	145°
Reach	850 mm (33")
Arm rotate	332°
Wrist pitch	120°
Lift	25 kg (55 lb) horizontal at full extension
Jaw rotate	continuous
Jaw opening	140 mm (5.7") at the tip
Jaw rotate torque	>25Nm
Jaw rotate speed	~45 rpm at 36Vdc
Jaw closing force	> 50 kg (110 lb) at 4 Amps / Integrated soft rope cutter
Skid	Mounted assembly optional

CHARACTERISTICS

Weight	15kg (33 lb) in water
	23kg (50 lb) in air
Material	6082 T6 Aluminum Alloy, hard anodised
Power supply	24 to 40 Vdc 4 Amps
Operating depth	Up to 300 m (zero oil system with air filled voids)
E Link options	RS232, RS485
Deepwater oil version optional	Up to 300 m

Zero oil system

Designed to a small footprint, the ARM 5E Mini is a Zero Oil System, eliminating any threat of hydraulic fluid leaking into the environment.

Fits on inspection class ROVs (available as skid option)

- Mounted in the same footprint as a hydraulic arm
- No need for a valve pack or HPU
- Dedicated skids to suit customer requirements
- Modularity enables easy repair & maintenance

