

Lightweight subsea electric manipulator arms

Efficient (5 to 7 functions)
Arms

- Compact, lightweight, easy to handle and of low power consumption
- Range covers depth rating up to 1000 m (6000 m available in option)
- Mounted on the ROV itself or on its skid
- Zero oil content up to 300m depth (Arm 5E Micro only)
- Multiple jaw options



RANGE OF SOLUTIONS

- Recovery of objects laying on the sea bottom
- Action on activators on well heads
- Stabilization of the ROV by clamping it to the target
- Carry a sensor (e.g. a CP probe, or NDT type) or a tool (eg brushing system) to complete the ROV inspection task (option available on study)
- Assistance to divers (e.g. carry a rack of tools or bring back to surface an object found by the diver)



	5E micro	5E	7E
Number of functions	5	5	7
Slew	110°	120°	90°
Elevation	90°	90°	120°
Elbow bend	125°	135°	145°
Continuous jaw rotate torque	Up to 10 Nm	15 Nm at 2 Amps	25 Nm
Jaw opening at the tip	125 mm	145 mm	140 mm
Arm rotate	x	x	320°
Wrist pitch	x	x	90°
Weight in water	5 kg in fresh water	20 kg in fresh water	49.2 kg
Depth rating	Up to 300 m, 1,000 m or 6,000 m	Up to 300 m, 1,000 m or 6,000 m	Up to 300 m, 1,000 m or 6,000 m
Reach	640 mm	1,000 mm	1,790 mm
Lift capacity at full extension	10 kg	Up to 25 kg at 24 VDC	Up to 40 kg
Oil system	Oil filled from 1,000 m	Oil filled	Oil filled from 1,000 m
Power supply	24 VDC	24 VDC	24 to 36 VDC