

REACH X 7

7-FUNCTION MANIPULATOR

A highly dexterous manipulator for remote intervention in defence and commercial industry operations.

- All-Electric.
- 7-Functions for Dexterous Manipulation.
- Designed and Tested for Harsh Environments.
- Collision Avoidance for Operator Peace of Mind.
- Intuitive User Interface with 3D Visualisation and Telemetry.
- Intelligent End-Effector Control and Collision Aware Path Planning.
- Available with Integrated Wrist Camera.



TECHNICAL SPECIFICATIONS	
Functions	7
Reach	470 mm / 18.5 in
Wrist Rotation Torque	6 Nm / 53 lb-in
Wrist Rotation Speed	140° / s
Grab Speed	3 s
Grab Force	25 kg / 55 lb
Lift Capacity	3 kg / 6.6 lb
Weight (Air)	2.9 kg / 6.4 lb
Weight (Water)	1.8 kg / 4 lb
Outer Diameter	50 mm / 2 in
Connector Cable	Teledyne 6 Pin IE55 Impulse Cable
Control Modes	Position, Velocity, Cartesian Velocity (X, Y, Z, R, P, Y)
ELECTRICAL	
Voltage	24 - 30V
Power (Nominal)	180 W
COMS	Serial (232 / 485) AND Ethernet
ENVIRONMENTAL	
Rated Depth	300 MSW / 980 ft
Rated Temp	5 - 30 °C / 41 - 86 °F (water)
Storage Temp	-10 - 80 °C / 14 - 176 °F (air)