

# MSS-1000



Inspection class ROV

Designed and manufactured in Russia

Intended for a wide range of tasks at depths to 1000 meters  
Potential payload to 30 kg

## GENERAL SPECIFICATIONS

Type	Electric, inspection class
Operating depth rating	1000 m
Dimensions (L/W/H)	1400 x 810 x 770 mm
Weight	370 kg
Payload weight	30 kg
Thrusters	6 x Bottom Runner 2500
Full speed	2.5 knots (horizontal) 1.2 knots (vertical) 1.3 knots (lateral)
Propulsion performance	up to 100 kg (FWD/BWD) up to 60 kg (sidewise) up to 60 kg (vertically)

## CAMERAS AND LIGHTS

Type and number of cameras	2 x Full HD
Optical sensitivity	1 lux
Lights type	LED
Number of lights	2 x 72 W + 2 x 24 W
Pan&tilt device	1 x PU-20
Degree of tilt	± 60°
Rotation angle	± 60°

## POWER SUPPLY

Shipboard part	380 V, 50 Hz, 12 kW
Subsea part	3000 V, 400 Hz, 10 kW

## WINCH

Dimensions (W/L/H)	860 x 980 x 740 mm
Winch drum capacity	500 m @ 10 mm
Weight without cable	150 kg
Outer layer speed	1 m/s
Power supply	380 V, 50 Hz, 3-phase, 4 kW



## EQUIPMENT AND SENSORS

Altimeter and depth sensor

Heading, roll & pitch sensor

Scanning sonar

4 ports for connecting RS-232/485 12/24/220 V

## MANIPULATORS

1-function grabber arm

Hydraulic 5-function

## OPTIONS

Auto depth/heading/altitude stabilization

Dynamic positioning system (DP)

1000 Base-T/Base-X network interface



Ask Subsea Ltd.  
Malta, Gzira  
114, The Strand, GZR1027

E-mail: [ash@asksubsea.com](mailto:ash@asksubsea.com)  
Web: [www.asksubsea.com](http://www.asksubsea.com)