

# MSS-3000



Lightweight working class ROV

Designed and manufactured in Russia

Intended for a wide range of tasks at depths to 3000 meters  
Potential payload to 150 kg

## GENERAL SPECIFICATIONS

Type	Electric, light working class
Operating depth rating	3000 m
Dimensions (L/W/H)	2070 x 1250 x 1350 mm
Weight	1050 kg
Payload	150 kg
Thrusters	8 x Bottom Runner 4500
Full speed	2.5 kt (horizontal) 1.2 kt (vertical) 1.5 kt (lateral)
Propulsion performance	up to 200 kg (FWD/BWD) up to 120 kg (sidewise) up to 120 kg (vertically)

## CAMERAS AND LIGHTS

Type and number of cameras	4 x Full HD
Optical sensitivity	1 lux
Lights type	LED
Number of lights	3 x 72 W + 3 x 24 W
Tilt-and-pan device	1 x PU-20
Degree of tilt	± 60°
Rotation angle	± 60°

## POWER SUPPLY

Shipboard part	380 V, 50 Hz, 40 kW
Subsea part	3000 V, 400 Hz, 35 kW

## WINCH

Dimensions (W/L/H)	3050 x 2440 x 2600 mm
Winch drum capacity	3200 m @ 22 mm
Weight without cable	2735 kg
Outer layer speed	1 m/s
Power supply	380V, 50 Hz, 3-phase, 15 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 7-function Schilling Robotics ORION 7R

Electro-hydraulic station 7-12 kW

## OPTIONS

Auto depth/heading/altitude stabilization

Dynamic positioning system (DP)

1000 Base-T/Base-X network interface



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