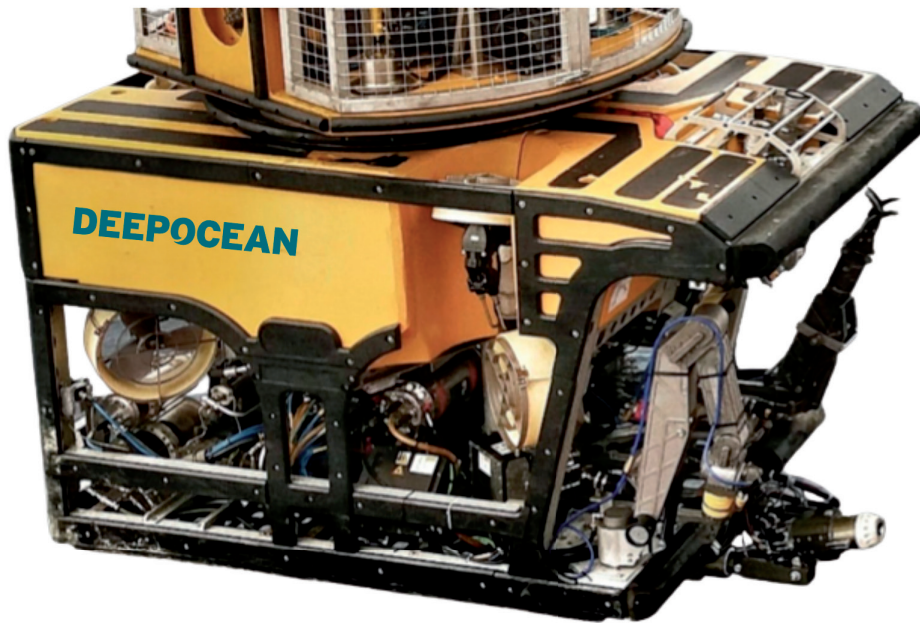


QUASAR MKII

SPECIFICATION SHEET



WORK CLASS ROV

The Quasar is an industry standard Type III Work Class ROV system. With proven reliability utilizing the latest “multi-platform” curvetech components, the vehicle offers class leading performance and exceptional tooling capability.

This ROV is an excellent all-round performer and is suitable for the following sectors and tasks: construction support, inspection, repair and maintenance activities, high resolution survey support and seabed mapping, deep water drill support, completion & well intervention, dive support and pipeline inspection.

KEY FEATURES

- 150HP HYDRAULIC POWER WITH INTEGRATED TOOLING CIRCUIT
- 3000M DEPTH RATED
- EXTENDED TETHER MANAGEMENT SYSTEM (TMS) WITH 915M 27MM TETHER CAPABILITY
- 250KG PAYLOAD
- UP TO 800KG BOLLARD PULL
- SMD DVECSII DIGITAL TELEMTRY
- HDTV & GIGABYTE CAPABILITY
- SMD AUTOROV ADVANCED CONTROLS INCLUDING ‘POSITION HOLD’

GENERAL

DEPTH RATING	3000 msw
POWER PACK	150 hp (110kW) Curvetech power pack
THROUGH FRAME LIFT	3000 kg
DIMENSIONS L X W X H	3000 x 1700 x 1700 mm
WEIGHT	3500 kg
THRUSTERS	4 x horizontal 3 x vertical
HYDRAULICS PRESSURE	3000 psi main HPU 3000 psi aux HPU
MAX FLOW	140 LPM main HPU 90 LPM aux HPU

PERFORMANCE

PAYLOAD CAPACITY	250 kg
SPEED FORWARD	3,2 knots
LATERAL	2,5 knots
BOLLARD PULL FORWARD	740 kg
LATERAL	740 kg
VERTICAL	500 kg

STANDARD EQUIPMENT FIT

MANIPULATORS	1 x 5 function Schilling Rigmaster 1 x 7 function Schilling T4
SONAR	Kongsberg M3
LIGHTS	6 x Bowtech LED-U-4200AC LED Lamps
CAMERAS	1 x Bowtech Explorer Extreme 1 x Bowtech Surveyor-SD-B8-B 1 x Bowtech Mini Colour 1 x Bowtech Mini B&W LLC
SENSORS	Blue View Sonar System (RS232 interface) 1 x CDL 3000m TOGS/NAV Gyro with RDI DVL, Mini IPS, Pitch & Roll 1 x Novatech ST400A Xenon Flasher
COMPASS	Octans/Rovin/PHINS

INTERFACES

VIDEO	8 x composite video channel
COMMUNICATION	36 x serial communication channels
OPTIONS	On request

CONTROL MODES

Auto head
Auto depth
Auto altitude

CONTROL / WORKSHOP

CONTROL CONTAINER	20 ft
POWER / WORKSHOP CONT	20 ft
CONTROL CONSOLE c/w	DVECS2 ergonomic control system Pilot Control Desk Co-Pilot Control Desk Touch screen control monitors for menu navigation and ROV auxiliary
VIDEO RECORDING SYSTEM	DVR black-box duo with independent video overlay per channel

POWER REQUIREMENTS

A-FRAME HPU	Common with winch HPU
WINCH HPU	Twin 75kW
ROV PDU	Self-contained 150hp
CONTROL CONTAINER	380-480 VAC, 60 Hz, 3-phase, 320kVA
POWER/ WORKSHOP CONT	440 VAC, 60 Hz, 3-phase, 10kVA

TMS

CLASS / TYPE	SMD Extended Tophat
DEPTH SENSOR	Digiquartz Depth Sensor Tether 27mm diameter Nexan WT1-1 Work Class Tether
TETHER CAPACITY	900 m (27 mm diameter)
DIMENSIONS	2175 x 2475 mm (d x h)

LAUNCH AND RECOVERY SYSTEM

TYPE	Hydraulically driven ROV lift winch & Hydraulically powered A-frame with umbilical sheave, damped snubber and rotating frame
MANUFACTURER	Lawson or SMD
CERTIFICATION	Lloyds Lifting Appliances in Marine Environment for operation in up to Sea State 6
SWL DEPLOYED	12000 kg (top wrap)
OUTREACH	4.7 m

Revision Date 31.03.2026

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SPECIFICATION SUBJECT TO CHANGE WITHOUT NOTICE.

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