

NAVAJO



GSP ROV - Navajo

ROV & SAT •

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GRUP SERVICII PETROLIERE

member of UPETROM GROUP



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NAVAJO PORTABLE ROV SYSTEM

Compact size and weight ROV, suitable for offshore and inshore use. Allows transportation and deployment from small vehicles. Provides a stable platform for video and sonar surveys.

High Reliability, Easy Maintenance
 Colour Zoom & Low Light Mono Cameras
 High Power LED Lighting
 Auto-Heading and Depth
 Video Overlay
 Laser Scaling System
 Tools and Manipulator Options
 Depth Rated: 300 m / 1000 ft
 Axial Thrust: 55 kgf / 121 lbs
 Forward Speed: 3.5 knots
 Payload with Greater Options: 10 kg / 22 lb

SYSTEM COMPONENTS

- Surface Control Unit
- Portable Flight Case
- Integral Flat Screen Monitor
- Video Overlay

LIGHTING

3 of 30 – Watt Halogen lamps, dimmer controlled on 2 circuits

CAMERA FACILITIES

Integrated low light monochrome & colour zoom cameras

FRAME

High Impact Resistance & Buoyant polypropylene with stainless steel fasteners

TETHER

Different tether options available

TOOLING & MANIPULATORS

Optional 1, 2 or 3 function electrical manipulator function
 A range of tools have been designed to maximise intervention capability

NAVAJO SYSTEM SPECIFICATIONS

ROV GENERAL SPECIFICATIONS

Depth Rating: 300 msw (1000 fsw)
 Payload: 10 kg (22 lb) lead ballast standard, **17 kg (37.5 lb) option**
 Height: 411 mm (16.2 in)
 Length: 1,025 mm (40.4 in)
 Width: 628 mm (24.7 in)
 Mass in Air: 42 kg (93 lb)

MAX. THRUST @ 0 KNOTS WITH 0 VOLTAGE LOSSES

Forward: 55 kgf (121 lbf)
 Lateral: 18 kgf (40 lbf)
 Vertical: 18 kgf (40 lbf)

MAX. VELOCITY / OPERATIONAL CURRENT

Forward: 1.75 m / s (3.5 Kt)
 Lateral: 0.75 m / s (1.5 Kt)
 Vertical: 0.75 m / s (1.5 Kt)
 Turning Rate: 120° / s (approx.)

HAND CONTROL UNIT (HCU)

2 x control joystick; Light dimmer controls; Camera and tilt controls; Digital switches; Dynamic vectoring control; Auto-function control; Joystick trims; Thruster power trims and isolations; TMS pay in / out.

SURFACE CONTROL UNIT (SCU) GENERAL SPECIFICATION

Height (operation): 600 mm (23.6 in)
 Height (transport): 353 mm (13.9 in)
 Width: 510 mm (20 in)
 Depth (operation): 630 mm (24.8 in)
 Depth (transport): 673 mm (26.4 in)
 Mass: 41 kg (90 lb)
 ROV / SCU Power Requirement: 80 – 264 Vac, 1 Ph,
 47 – 440 Hz 3.0 – 4.8 kW

TETHER AND MAIN LIFT CABLE DIMENSIONS

Tether (standard, 94 kg / km): 14 mm / 0.55 in diameter
 Tether (light): 14 mm / 0.55 in diameter
 Tether (neutral): 20.5 mm / 0.80 in diameter



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