

AGEOTEC ROV SIRIO

Observer Class Remotely Operated Vehicle

Leveraging more than two decades experience in coastal and offshore surveying and construction characterising the AGEOTEC product line, the ROV Sirio presents itself as the first model of L3Harris' wide range of underwater vehicles.

STRUCTURE FRAME AND FITTING

Sirio features a modular chassis manufactured in high impact resistant polypropylene, totally maintenance-free and non-corroding. All chassis members can be easily replaced and any additional equipment may be bolted directly onto them. Pressure housings are in anticorrosional aluminum 6060.

PROPULSION

Two vertical oblique vectored and two horizontal vectored DC brushless thrusters, featuring:

- > 15 Kg downward thrust
- > 16 Kg forward thrust
- > 7 Kg lateral thrust

VIDEO

Fitted inside the PMMA dome on the Electronic POD, the standard color camera has a resolution of 750 TVL and both PAL and NTSC support. An external switched camera can be added and placed upon the user preference.

SENSORS

The vehicle is equipped with an IMU unit providing high-accuracy heading position. A digital pressure sensor provide the depth value with high stability. Auto-Heading and Auto-Depth functions are standard.

BUOYANCY & PAYLOAD

Two encapsulated high density foam blocks providing 8 Kg of payload capability. Additional buoyancy modules can be added to increase the payload. Modular ballasts allow the trimming of the vehicle balance.



300 msw

MAX DEPTH

40 Kg

WEIGHT

Featuring:

- > 590x560x450 mm dimensions
- > One high resolution PAL/NTSC videocamera
- > < 10 Kg payload
- > Extremely tough and reliable structure, for the harshest conditions



ROV SURFACE UNIT

Composed by a 12U 19-inch (482 mm) rack flight case, it contains all the necessary to operate the ROV. The pilot monitor is a professional 17-inch (431 mm) pull-out monitor connected to a digital video Recorder with 1 TB of standard memory.

VIDEO OVERLAY

The standard HD video overlay is capable of displaying all the essential data for the pilot such as: heading, depth, pitch & roll, date & time, CP probe (if fitted), user comments and external data input.

POWER REQUIREMENT

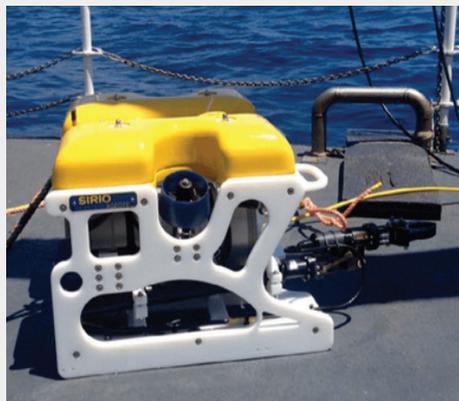
230 VAC - 50/60 Hz, 3 kW

	LENGTH (MM)	WIDTH (MM)	DEPTH (MM)	WEIGHT (KGS)
Vehicle dimensions	590	560	450	40
RSU dimensions	550	770	600	65
Winch dimensions	696	480	500	up to 60

ACCESSORIES

AGEOTEC ROV Sirio can be customized using many accessories, including:

- > CP probe
- > Sonar
- > Ultrasonic thickness gauge
- > USBL position system
- > One or two function electric manipulator
- > External camera
- > Laser scaling system



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OBSERVER CLASS REMOTELY OPERATED VEHICLE

Maximum flexibility in an ultra compact vehicle, designed for fast free mobilization, launch and recovery.

This document consists of general capabilities information that is not defined as controlled technical data under ITAR Part 120.10 or EAR Part 772.

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