

AGEOTEC

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Type multipurpose rov
Model sirio



www.ageotec.com



Model **sirio**

Work capabilities

visual and instrumental

Type

multipurpose roV

On the basis of real needs of those people working with the ROVS, **AGEOTEC** conceived a wide range of vehicles characterized by fundamental features, unique in the world scenery thanks to:

- > Compactness and easy handling, due to a properly conceived control software, more powerful thrusters but smaller in dimensions, so as to allow an easy use even in adverse environment.
- > "Wide band" concept, applied as a rule to connection via cable, by means of the Fibre Optic use on vehicles, guarantees data transmission and communication of any kind of information between ROVS and the surface.
- > Easy management and maintenance of vehicles, due to the supply of a complete kit of spare parts and to the use of very high quality components, easy to find all over the world, allowing to reduce the general costs of work, but increasing at the same time the value of initial investment at the highest levels
- > High customization in the attempt to meet the customer's request due to the particular modularity of the vehicles

All this meets with passion and notable skill of technicians and engineers, as well as with the Company's availability to study together with the customer the features of the project to be carried out, so as to find most efficient solutions by using the most suitable instruments.



Dimension

length 590 mm
width 560 mm
depth 450 mm
weight in air 40 kg

Structure / frame and fitting

Modular Chassis manufactured in high impact resistant Polypropylene. This material is totally maintenance free and non-corroding. Any chassis member can be easily replaced and all the additional equipment may be bolted directly onto. Stainless steel load frame and lift points, the pressure housing is manufactured in Aluminium Anticorodal 6060.

Control Unit

Pilot monitor and video recorder are fitted in 12U flight-case.

Camera

The colour camera is fitted inside the electronic POD protected by an hemispherical PMMA high transparency dome.

SCU / CPU

The surface electronic control and power supply for vehicles are fitted in 6U Flight-case.

Camera

The colour camera is fitted inside the electronic POD protected by an hemispherical PMMA high transparency dome.

**Operation depth
Hp and propulsion**

300 mt
2 vertical oblique at 40° vectored and 2 longitudinal vectored (no particular maintenance required).

DC brushless thrusters:

- > downward thrust 15 kg
- > upward thrust 7 kg
- > forward thrust 16 kg
- > backwards thrust 7.2 kg
- > lateral thrust 7 kg

**Speed
Payload**

1.01 - 1.5 Kn
8Kg; it can be increased to 10Kg with optional buoyancy

Buoyancy and ballast

N° 2 Encapsulated Polyurethane foam block

Power Requirements

200-240VAC
380-410VAC single phase
50/60 Hz 3.5KW
(other standard on request)

** subject to change without notice*

