

# AGEOTEC

## AGEOTEC

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Type **multipurpose roV**  
Model **perseo gt** / *new product*





Model

# perseo gt

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        | 980 mm |
| width         | 800 mm |
| depth         | 510 mm |
| weight in air | 90 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, all pressure housing are manufactured in Aluminium Anticorodal 6060.

|                          |   |
|--------------------------|---|
| <b>Operation depth</b>   | 600 mt (deeper available)   |
| <b>Hp and propulsion</b> | 2 vertical and 4 Tecnadine 560 (no particular maintenance required) |

DC brushless thrusters:

- > Upward thrust 24 Kg
- > Downward thrust 40 Kg
- > Forward thrust 64 Kg
- > Backward thrust 43 Kg
- > Lateral Thrust 44 Kg

|                |                                    |
|----------------|------------------------------------|
| <b>Speed</b>   | 3.5 Kn                             |
| <b>Payload</b> | Adjustable between Kg 10 and Kg 18 |

|                  |  |
|------------------|--|
| <b>Umbilical</b> | 400mt, D20mm. N.7 Power conductors; n. 4 Fiber Optic lines |
|------------------|--|

#### Buoyancy and ballast

N°1 floating of Synthetic foam in a double mould shape with apertures provided for sonar and acoustic positioning transponder.

|                                      |   |
|--------------------------------------|---|
| <b>U. water. tools / manipulator</b> | Optional multifunctional mini-manipulator |
|--------------------------------------|---|

#### Camera / video / lighting

2 video-channels. NauTec high resolution B/W camera sensibility 0,05LUX is standard NauTec high resolution colour camera is standard. 2 x 150W lamps with joystick control intensify regulator Tilt with feedback position displayed on pilot monitor is standard and joystick potentiometer provides an accurate tilt angle.

#### Instrumentation

Optional CP Probe or underwater metal detector with value displayed on pilot monitor.

#### Navigation / tracking

Flux-gate compass unit with solid state rate gyro sensor provides high azimuth stability; electronic depth sensor; Auto-heading and Auto-depth functions are standard.

#### Deployment system

Optional LARS and TMS

#### Support ship requirements

Pilot monitor and video-recorder are fitted in 12U Flight-case. The NauTec video overlay as standard provides digital compass data, date time, tilt icon position depth, CP Probe or Metal detector value. Vehicle equipment data may be exported to clients' survey and navigation computer. The vehicle surface control is fitted onto a 6U Flight-case; power Supply is fitted onto a metal cabinet.

#### Vehicle power requirements

400VAC 3-phase 50-60Hz 9 KW (other standard on request)

#### Operating / maintenance crew

2

#### Additional data

Options include: LARS (launch and recovery system); ROV control cabin; TMS (tether management system); SIT camera; colour camera; sonar system; CP Probe; underwater metal detector; acoustic positioning system; multifunction mini-manipulator, spare kit; technical training program, specialist configuration to satisfy clients' requirements.

*\* subject to change without notice*

