

AGEOTEC ROV PERSEO GTV

Multipurpose-Class Remotely Operated Vehicle

Leveraging more than two decades' experience in coastal and offshore surveying and construction characterizing the AGEOTEC product line, the Perseo GTV represents the ideal junction between overall power and agility.

STRUCTURE FRAME AND FITTING

Perseo GTV 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 anticorodal 6060 aluminum.

PROPULSION

Two vertical and four vectored thrusters DC brushless, featuring magnetically coupled propellers:

- > 50 Kgf vertical thrust
- > 90 Kgf forward thrust
- > 60 Kgf lateral thrust

SENSORS

The vehicle is equipped with an inertial measurement unit providing high-accuracy heading position. A digital pressure sensor provides the depth value with high stability. Water ingress, line insulation, temperature and thrusters feedback are part of the sensors included in the diagnostic features. Auto-heading and auto-depth functions are standard. Auto-altitude is also available.

BUOYANCY & PAYLOAD

One encapsulated high-density foam block providing 22 Kg of expandable payload capability. Additional buoyancy modules can be added to increase the payload. Modular ballasts allow the trimming of the vehicle balance.

VIDEO & LIGHTS

Up to three real-time cameras, mounted on an external Pan & Tilt unit or on the ROV chassis.

The standard configuration features:

- > 1080p60 full HD color camera, with three HD video channels, available for main camera, manipulator or rear camera
- > 20K lumen LED lights installed on the front part of the vehicle
- > 4K lumen spot LED lights



1500 msw

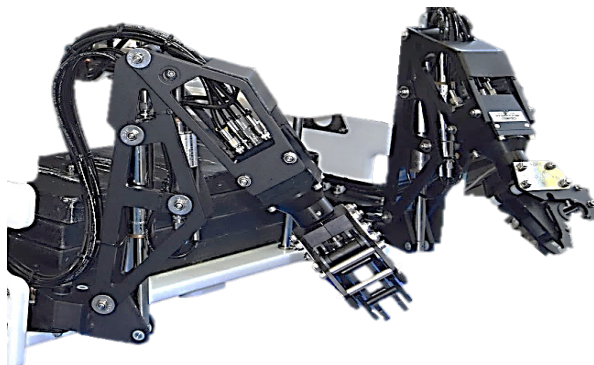
MAX DEPTH

240 kg

WEIGHT

Featuring:

- > 1550x950x800 mm dimensions
- > As many as three real-time HD video channels for main cameras
- > Up to 40 Kg payload
- > Extremely tough and reliable structure, for the harshest conditions



ROV SURFACE UNIT

Standard 19-inch (482 mm) rack flight case (12U or 15U), containing two switching power supply modules and 6U rack for control and interface electronics.

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. Video eventing feature is also available.

POWER REQUIREMENT

400 VAC - 50/60 Hz, 15 kW

	LENGTH (MM)	WIDTH (MM)	DEPTH (MM)	WEIGHT (KGS)
Vehicle dimensions	1550	950	800	270
RSU dimensions	550	770	730	65
VRU dimensions	550	770	730	15
Winch dimensions	1570	1680	2200	1450



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MULTIPURPOSE-CLASS REMOTELY OPERATED VEHICLE

The compact vehicle capable of
amazing performance.

ACCESSORIES

AGEOTEC ROV Perseo GTV can be customized using many accessories, including:

- > CP probe
- > Imaging sonars: mechanical/multibeam
- > Ultrasonic thickness gauge
- > USBL position system
- > 1 or 2 manipular 4/5 function
- > External cameras
- > Multi-beam echosounder
- > Additional lights
- > Laser scaling system
- > Cutting tools, water jet, cleaning brush, pipe & cable tracker

	VALUE	SETPOINT
HEADING	0.0°	-
DEPTH	0.0 m	-
ALTITUDE	0.0 m	-
SET		
PITCH	0.0°	TILT 0.0°
ROLL	0.0°	PAN 0.0°
GYRO Z		CP PROBE 0.0 mV
TEMPERATURE		
MAIN POD	0.0 °C	
AUX POD	N/A	
WATER	0.0 °C	
IMU	0.0 °C	
LEAKAGE		
THR 3 FWD		THR 4 FWD
THR 2 VERT		THR 5 VERT
THR 1 STB		THR 6 STB
BRUSH		SPARE
HCU	SFC	POD GTI IMU P&T

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