

AGEOTEC

powered by



CALZONI

Perseo^{GTV}

Class 2 - Multipurpose ROV



KEY FEATURES

- Operating depth: standard 1500 m (deeper available)
- Dimensions: 1300x950x700 mm
- Weight: 250 kg
- Chassis: High Impact Resistant Maintenance Free Polyethylene
- High resolution monochrome camera sensibility 0.001 LUX
- High resolution colour camera sensibility 0.1 Lux
- 4 X LED lamps
- Power requirements: 400 VAC 3-phase 50÷60Hz, 15 kW
- Payload: Adjustable between 18 kg and 40 kg

OPERATING DEPTH

- Vehicle standard configuration: 1500 m rating
- Deeper rating available

STRUCTURE/FRAME AND FITTING

Modular Chassis manufactured in high impact resistant Polyethylene, totally maintenance-free and non-corroding. All chassis member can be easily replaced and any additional equipment may be bolted directly onto it. Lift points manufactured in stainless steel. Pressure housings are in anticorodal aluminum 6060

PROPULSION

- 2 vertical and 4 vectored thrusters DC brushless 1500 m depth, magnetic coupling propeller
- Downward thrust 48 kg
 - Forward thrust 70 kg
 - Lateral Thrust 50 kg

BUOYANCY

Modular floating with apertures provided for sonar and acoustic positioning transponder

PAYLOAD

From 18 kg w/o additional buoyancy module, up to 40 kg

UMBILICAL CABLE

Ø 25 mm, provides power and allows four optical fibres

VEHICLE POWER REQUIREMENTS

400 VAC 3-phase 50÷60 Hz, 15kW
Note: power requirement for free flight operation w/o LARS and TMS

DEPLOYMENT SYSTEM

Optional LARS and TMS

VIDEO AND DATA LINES

Standard: Fiber Optics MUX with 3 video channel and 6 Data channel. Singlemode optical fiber.
Upgrade: Additional FO MUX, Ethernet FO Converter, Single mode optical fiber

CAMERAS/VIDEO

3 real time high resolution video channels, main cameras, manipulator or rear camera.
Basic configuration:
1 High Resolution Monochrome Camera, 570 TVL, 0,001 LUX, 1/3ccd and 1x High Resolution Colour Camera, 700 TVL, 0.1 lux, 1/3 CCD

NAVIGATION/TRACKING

Flux-gate compass unit with solid state rate gyro sensor featuring high azimuth stability; electronic depth sensor.
Standard functions: Auto-heading and Auto-depth. Auto-altitude function available on request, when altimeter sensor is fitted

SURFACE CONTROL UNIT

Standard 19" rack flight case (12 U or 15 U), containing switching power supply modules and 6 U rack for control and interface electronics

VIDEO AND RECORDING UNIT

Standard 19" rack flight case (12 U) , containing 17" LCD monitor and videorecorder

OPTIONAL INSTRUMENTATION

Scanning sonar system
Additional Colour or B/W cameras
Acoustic positioning system
CP Probe (contact or proximity)
Ultrasonic thickness probe
Bathymetric system
Pipe and Cable tracker
Custom tooling skid
Multifunctional manipulator (skid mounted)
Water jet system – 6 kW 440 VAC 3 - phase outlet (on request)

Custom configurations available on request

SYSTEM DIMENSIONS

	VEHICLE	SURFACE PSU CONSOLE w/cover
Length (mm)	1300	550
Width (mm)	950	770
Depth (mm)	700*	730
Weight in Air (kg)	170**	65

* sonar protection excluded, w/o auxiliary skid
** w/o auxiliary instrumentation



subject to change without notice*

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