

LEVEL-PLANE EVO

Platform with multi axial leveling for Laser Scanner systems survey



DESCRIPTION

Externally to the supporting structure of leveling and in connection with the base frame, is arranged a suitable protective cover made of synthetic material in order to preserve and protect from weather and dust the mechanical handling equipment.

The lower fastening of such protection is realized in such a way removable to ensure immediate access and inspection to the zone of mechanical handling and fuses placed within the boxes of the electrical components.

The platform Level Plane Evo is equipped with, on the lower base, of a predisposition for mounting with roof rack bars on the roof of the vehicle.

The weight of the platform is about 19 kg and must be assembled or disassembled without any other tools on the upper plane.



POWER SUPPLY AND CONTROL SYSTEM

The power of the platform is realized by a cable, connected to the platform with removable socket and on the other terminal, with attack type “cigarette lighter” -12 V - 5 A.

Should anyone use an independent source of power, it is available, as an accessory, a 12 V battery housed in a rigid suitcase transport watertight and waterproof (IP67).



The platform is equipped with a push button remote control connected by socket and removable flexible cable to the electronic control unit.

On the display of the control unit will appear, with numerical display in hundredths of a degree, the inclination of the plane platform on both longitudinal and transverse axes.



Pressing the button with the indication 0°, the system proceeds automatically reaching the horizontal plane on both axes.

During this operation the backlight of the button “0°” became red.

On the display are active virtual buttons for the manual control in ascent or descent of the actuators. The virtual bubble find reference and information directly from a sensor placed inside the electronic control unit.



SUMMARY TECHNICAL DATA:

Leveling accuracy		3"
Weight of the Level-Plane Evo platform		19 kg
Maximum permissible load		25 kg
External dimensions	Base width	490 mm x 420 mm
	Height	300 mm
Distance bars		270 mm
Predisposition for connection to platform- instrumentation with male thread		5/8"-11
Operating limit maximum shooting ground slope along the longitudinal axis of the vehicle (direction of travel) . A total of 29° where 0° +14,5° and 0° -14,5°		
Operating limit maximum shooting ground slope along the perpendicular axis of the vehicle (transverse to the driving direction) . A total of 54° where 0° +/- 27°		
Temperature limit for the use of equipment	- 15° C	+ 40° C
Temperature limit for the storage of equipment	- 30° C	+ 50° C

CONTACT
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