

LEVEL - PLANE EVO 16 CE



DATA SHEET



**New
release**

Made in Italy





Multi-axis leveling platform with wired controller for 3D Laser Scanner or Robotic Total Stations



Level-Plane Evo 16 is a system planned for automatic levelling to ensure total verticality of the equipment with accuracy of +/- 30" (or +/- 3" with manual control) in all vehicle inclination conditions.

The structure is made of anodized aluminum, externally with a PVC cover to protect the mechanical and electrical parts from severe weather conditions and dust.

It's removable to ensure internal inspections.

Top is made of stainless steel, specifically designed for topographic tribrach with standard 5/8".

Powered by cable connection to the car-lighter-12 V - 5 A. (it's also possible use autonomous power source, with 12V battery available as accessory).

Leveler is equipped of controller, with back-lit display and keyboard, made of shockproof material resistant to dust and moisture.

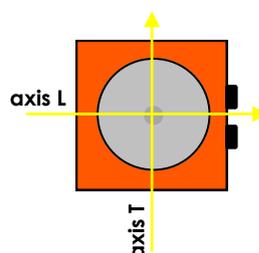
Level-Plane Evo is studied for mounting on vehicle roof bars.

Level-Plane Evo is available in two versions, with Wired Controller or Radio Controller.



TECHNICAL DATA

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|--|-----------------|
| • Leveling accuracy with manual control | +/- 3" |
| • Leveling accuracy with automatic leveling | +/- 30" |
| • Weight | 8 kg |
| • Maximum load | 25 kg |
| • External dimensions | 31x30xh 30 cm |
| • Temperature limit during the use of the equipment | - 15° C + 40° C |
| • Storage temperature limit | - 30° C + 50° C |
| • Power supply | 12V |
| • Maximum operating limit shooting ground slope along the longitudinal axis of the vehicle - AXIS L | +/- 15° |
| • Maximum operating limit shooting ground slope along the perpendicular axis of the vehicle - AXIS T | +/- 22° |



POWER SUPPLY AND CONTROL SYSTEM

The power source of the platform is supplied by a cable connected to the vehicle "car lighter" -12 V - 5 A vehicle. It's also possible use autonomous power source with 12V battery, available as accessory.



*Battery kit
not included*

Leveller is equipped with a wired controller cable and safety connectors and mounting kit.

The display shows with a numerical hundredths degrees the inclination of the platform on both longitudinal and transversal axes.



Pressing the button with 0° , the system proceeds automatically reaching the horizontal position on both axes. During this operation the display shows the message "AUTOMATIC LEVELING".

Moreover, on the display there are buttons for the manual control for the ascent or descent of the actuators.

The virtual bubble finds its reference point and the information needed directly from a sensor placed inside the electronic control unit.



Configurations

Level - Plane Evo 16 (Wired controller)

Multi-axis leveling platform with wired controller or Laser Scanner or Robotic Total Stations

Composed of

- LPE16 Level-Plane Evo16
- UC16 LPE16 Controller
- CUC Cable for Controller UC
- STA Roof bar brackets
- CPC Power Cable with connection to the car-lighter
- BMT Soft bag for Level-Plane Evo
- BMA Soft Bag for accessories

Level-Plane Evo 16 is an automatic leveling system to ensure total verticality of the equipment with an accuracy of +/- 3 in all vehicle inclination conditions.

Leveler is equipped with a wired controller cable with safety connectors and mounting kit.



Level - Plane Evo 16 Radio (Radio controller)

Multi-axis leveling platform with radio controller for Laser Scanner or Robotic Total Stations

Composed of

- LPER16 Level-Plane Evo 16 Radio
- UCR16 LPE16 Radio Controller
- CUC Cable for Controller UCR16
- BUC Battery charger for Controller UCR16
- STA Roof bar brackets
- CPC Power Cable with connection to the car-lighter
- BMT Soft bag for Level-Plane Evo
- BMA Soft Bag for accessories

Level-Plane Evo 16 Radio is an automatic leveling system that ensure the total verticality of the equipment with an accuracy of +/- 3 in all vehicle inclination conditions.

Equipped with radio controller and mounting kit.

The Radio Controller operation range about 15 meters, it's also possible a standard connection by cable.



Radio Control

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