

Level-Plane 16 Radio Arctic



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LEVEL-PLANE 16R

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DATA SHEET

January 2019

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Static multi-axis leveling platform with Radio and cable control for 3D Laser Scanner or Robotic Total Stations



Level-Plane 16 is a static multi-axis platform created for automatic (non dynamic) leveling 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, removable to ensure internal inspections - IP65.

The top is made of stainless steel, specially designed for topographic tribrach with standard 5/8".

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

The Leveler is equipped with Radio controller, backlit display and keyboard, made of shockproof material resistant to dust and moisture - IP65.

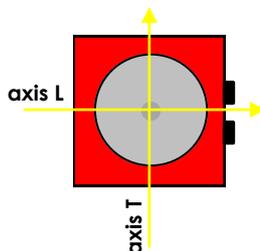
The Radio Controller operation range is about **50 meters**, it's also possible a standard connection by cable.

The Radio module complies to the standard regulation CE, FCC, IC and TELEC

Level-Plane 16 R is studied for mounting on vehicle roof bars.

TECHNICAL DATA

- Accuracy with manual leveling +/- 3"
- Accuracy with automatic leveling +/- 30"
- Weight 11 kg
- Maximum load 35 kg
- External dimensions 30x30xh 30 cm
- Temperature limit during the use of the equipment - 15° C + 50° C
- Storage temperature limit ARCTIC VERSION - 40° C + 50° C
- Power supply - 30° C + 50° C
- Maximum operating limit shooting ground slope along the longitudinal axis of the vehicle - AXIS L ARCTIC VERSION - 50° C + 50° C
- Maximum operating limit shooting ground slope along the perpendicular axis of the vehicle - AXIS T 12V



+/- 15°

+/- 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 to use autonomously power source with 12V battery, available as accessory.



The Leveler is equipped with a Radio controller and mounting kit.

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



Simply press a button, the system proceeds automatically reaching the horizontal position on both axes.



BEFORE

AFTER

Once leveled the Level-Plane 16R remains firm in the same position till you press the button again before next scan session.

Configurations

Level - Plane 16 Radio (Radio and Cable controller)

Static multi-axis leveling platform with radio and cable control for Laser Scanner or Robotic Total Stations

Composed of

LP16R	Level-Plane 16 Radio
UCR16	LP16 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 16R
BMA	Soft Bag for accessories
TRL	Trilock - Topographic tribach

- Temperature limit during the use of the equipment - 15° C + 50° C
- Storage temperature limit - 30° C + 50° C



Level - Plane 16 Radio - ARCTIC (version)

Static multi-axis leveling platform with radio and cable control for Laser Scanner or Robotic Total Stations - low temperatures

Composed of

LP16R-A	Level-Plane 16 Radio Arctic
UCR16	LP16 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 16R Arctic
BMA	Soft Bag for accessories
TRL	Trilock - Topographic tribach

Level-Plane 16 Radio Arctic is designed to be used at very low temperatures.

- Temperature limit during the use of the equipment -40° C + 50° C
- Storage temperature limit - 50° C + 50° C



**Level-Plane 16R
can be used with any 3D
Laser Scanner brand !**