

LEVEL-LIFT ROOF 32 EVO CE



DATA SHEET



Level - Lift Roof 32 Evo C€

Extendible Pole with vertical extensions for multi- axial levelling platform

DESCRIPTION

LEVEL-LIFT ROOF was born from the need to make the most of Scan&Go system for both classical land and infrastructure surveys, as well as for architectural and structural ones.

The system is composed of a pneumatic pole folding and extensible with two electrical motors, integrated compressor, plate for the installation of the Level-Plane Evo 14 and an adjustable support frame for the installation on the roof rack bars of any type of vehicle..

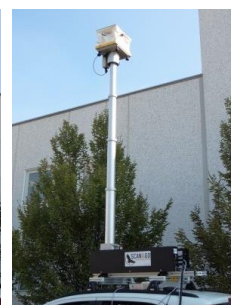
The solid structure of the aluminum frame that holds the pole and its components can be adapted to any vehicle.



Example:



***Level-Lift Roof 32 Evo
can be used with any
Laser Scanner brand***



Extendible pole with **four** adjustable vertical extensions, maximum height 2,95 mt with a diameter of 115 mm, and a maximum payload of 45 kg.

The solid structure of the aluminum frame that holds the pole and its components can be adapted to any vehicle. Furthermore, we can customize the equipments on customer's requests.

For topographic detailed survey

Using the "Level-Lift Roof" in conjunction with the Scan & Go system, thanks to the possibility of raising the gripping point of the Laser Scanner, it is possible to obtain a significant increase of the radius capacity of the measures, decreasing in this way the number of stationing and, consequently, the time required for the execution of the survey.



For structural and architectural survey

Using the "Level-Lift Roof" together with the "Level-Plane Evo" only, and thanks to the possibility of adjusting the pole height, you can increase the detail precision by eliminating the shadows of balconies, windows and high parts not visible from the ground, greatly improving the quality of measurement thanks to the greater perpendicularity of the gripping point with respect to the object to be detected.

Thanks to the automatic leveler "Level-Plane Evo", installed on the end of the pole and controlled directly from the ground, all scans are perfectly leveled.



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SUMMARY TECHNICAL DATA

LEVEL-LIFT ROOF 32 EVO:

- Extended pole height 2,95 mt
- Extension 4
- Maximum payload 45 kg
- Dimensions of the closed system 1,25 mt x 0,48 mt x h. 0,35 mt
- Gross weight 55 Kg
- Bars wheelbase car 70 cm

Example with Panda 4x4 car and Laser Scanner Faro X330:

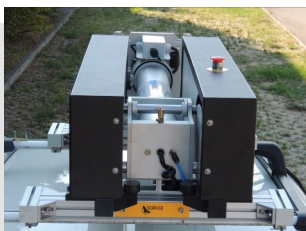
Level-Lift Roof 32 EVO	2,95 mt +
Level-Plane Evo e Laser Scanner	0,60 mt +
Vehicle height	1,60 mt +
Roof rack bars	0,20 mt
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(height of the measure centre of the scanner from ground)	5,35 mt

- Electricity supply 12V 15A (absorption maximum load of the air compressor)
- Maximum operating limit of recovery slope of the ground in the longitudinal axis of the vehicle (direction of travel) with vertical pole without extensions opened Total 20° of which 0° +10° e 0° -10°
- Maximum operating limit of recovery slope of the ground along the perpendicular axis to the vehicle (transverse to the direction of travel) Total 20° of which 0° +/- 10°
- Temperature limit for use of the equipment - 15° C + 40° C
- Temperature limit for the storage of equipment - 30° C + 50° C

Technical Details



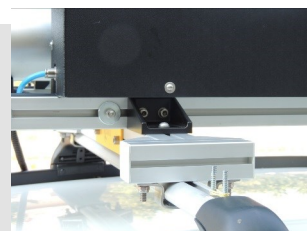
Plate for
Level-Plane Evo 14



Two electrical motors



Power source
and control
connections



Aluminium frame and
brackets for roof bars

SCAN&GO srl

Via della Tecnica 34 A/B 41051 Castelnovo Rangone (MO) - ITALY
telefono +39059794585 fax +390597579279