

# LEVEL-LIFT ROOF 32 EVO CE

**NEW**



***DATA SHEET***



# Level - Lift Roof 32 Evo

***Extendible Pole with vertical extensions for multi-axial levelling platform***

## **DESCRIPTION**

LEVEL-LIFT ROOF created for the need to make the most of Scan&Go system for both classical land and infrastructure surveys as well as 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.



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 115 mm, 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 run any customization required by the customer.

### **For topographic detailed survey**

Using the "Level-Lift Roof 32 Evo" in conjunction with the system Scan & Go, thanks to the possibility of raising the gripping point of the Laser Scanner, you can get a significant increase of the capacity ray of the measures, decreasing in this way the number of stationing and, consequently, the time required for the execution of the relief.



### **For structural and architectural survey**

Using the "Level-Lift Roof" in conjunction with the system "Level-Plan Evo 14" only, using the possibility of adjusting the pole height, you can increase the detail 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 to the object to be detected.



Thanks to the automatic leveler "Level-Plane Evo 14", installed on the end of the pole and controlled directly from the ground, all scans are perfectly leveled.

# 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)	<b>5,35 mt</b>

- 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

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