

FARO® Scan Localizer

On-site registration & processing made easy

FARO®



INDOOR GPS (IMU)

With the Scan Localizer real-time positioning in indoor environments is now easier than ever before. The inertial measurement unit (IMU) of the Scan Localizer reports device specific forces and angular rates.

REAL-TIME REGISTRATION

The Scan Localizer utilizes advantages of several upmarket technologies and provides, by generating a 2D map of the environment, reliable positioning of 3D scans before leaving the job-site.

GUARANTEED COMPATIBILITY

The Scan Localizer will seamlessly integrate with any FARO Focus^{3D} Laser Scanner with built-in WLAN connection and directly export scans into SCENE.

BATTERY POWERED

The long lasting battery block provides mobile operation of up to 3 hours in the field without recharging.

XTRA PORTABLE

With a height of only 31 cm, a diameter of 31 cm and a weight of just 6 kg, the Scan Localizer is a fully portable system. The waterproof rugged transportation trolley provides additional space for a Focus^{3D} Laser Scanner.

COMPLETE MAPPING AND REGISTRATION SOLUTION WITH THE SCAN LOCALIZER

The FARO Scan Localizer is a state-of-the-art scanning accessory, which combines information of multiple sensors sources and software algorithms to determine the exact position of the laser scanner inside buildings.

While moving a FARO laser scanner device through a large site, the FARO Scan Localizer will capture the exact position of the laser scanner thus enabling error-free, fully automated registration. With this new workflow, users will be able to complete the whole scan and registration process on site, substantially reducing the need for time-consuming back office work and quality checks by a factor of 2 to 5 times.

With a battery runtime of 3 hours, the Scan Localizer also has a high level of flexibility and endurance. Its light weight, small size and WLAN integration make the Scan Localizer truly mobile.

BENEFITS

The FARO Scan Localizer optimizes productivity when scanning in medium to large indoor projects.

The fully portable system is compatible with the complete line of Focus^{3D} laser scanners and enables highest performance due to its indoor positioning without GPS signal, real-time 3D and disjoint scan data registration, easy on-site navigation, ease-of-use and remote control via integrated WLAN.

PERFORMANCE SPECIFICATIONS

Ranging unit

Range: 0 – 8 m (10% refl.)
0 – 20m (90% refl.)

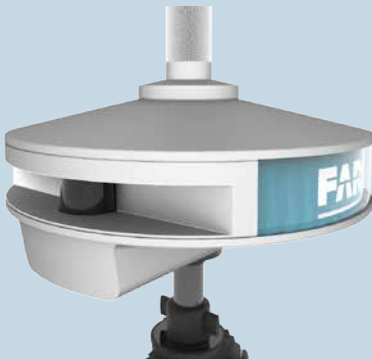
Laser

Laser class: Laser class 1
Wavelength: 905nm
Field of view (horizontal): 180°
Measurement frame rate: 40Hz
Max. ambient light: 15,000lx

Data handling and control

Data storage: SSD; 120GB integrated, direct export to SCENE via WLAN
Device control: Via button and WLAN

CLASS 1
LASER PRODUCT



GENERAL

Power supply voltage: 19V (external supply)
14.4V (internal battery)
Power consumption: 35W (70W charging)
(while battery charges)
Battery life: 3 hours
Ambient temperature: 5° - 40°C
Humidity: Non-condensing

Interface: 1x USB, 1x Ethernet, WLAN
Mounting: 3/8" hole
Weight: 6kg
Dimensions: Diameter: 31cm, Height: 31cm
Maintenance / calibration: Not needed



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