

FARO Scan Localizer

On-site registration & processing made easy

FARO



INDOOR GPS (IMU)

With the FARO® Scan Localizer, real-time positioning of the FARO Laser Scanner in indoor environments is now easier than ever before. The inertial measurement unit (IMU) of the Scan Localizer provides information on device specific forces and angular rates.

REAL-TIME REGISTRATION

The Scan Localizer leverages the advantages of new technologies. By generating a 2D map of the environment as the laser scanner is moved among multiple locations, the Scan Localizer provides reliable positioning of 3D scans before leaving the job site.

GUARANTEED COMPATIBILITY

The Scan Localizer seamlessly integrates with any FARO Focus^{3D} Laser Scanner that has built-in WLAN capabilities and directly exports scans into FARO SCENE software.

BATTERY POWERED

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

EXTRA PORTABLE

With a height (including mounting tube) and diameter of only 12.2 inches (31 cm), and a weight of just 13.2 pounds (6 kg), the Scan Localizer is a fully portable system. The rugged transportation trolley conveniently serves as a carrier for the 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 from multiple sensor sources along with software algorithms, to determine the exact position of the laser scanner inside buildings.

While moving a FARO laser scanner throughout a large site, the Scan Localizer captures the exact position of the laser scanner, thus enabling error-free, fully-automated registration of the various scans. With this new workflow, users will be able to complete the entire 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

- Optimizes productivity and simplifies workflow on medium to large indoor scanning projects.
- The fully-portable system is compatible with the complete line of Focus^{3D} Laser Scanners and enables high performance.
- Indoor positioning without GPS signal.
- Real-time 3D and disjointed scan data registration.
- Easy on-site navigation, ease-of-use, and remote control via integrated WLAN.

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PERFORMANCE SPECIFICATIONS

Ranging unit

Range: 0 - 26 feet (0 - 8 m) (10% reflectivity)
0 - 66 feet (0 - 20 m) (90% reflectivity)

Laser

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

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 while battery charges)
Battery life: 3 hours
Ambient temperature: 41° - 104° F (5° - 40° C)
Humidity: Non-condensing

Interface: 1x USB, 1x Ethernet, WLAN
Mounting: 3/8"-16 hole
Weight: 13.2 lbs (6 kg)
Dimensions: Diameter: 12.2 inch (31 cm)
Height: 12.2 inch (31 cm)
Maintenance / calibration: Not required

For more information,
call 800.736.0234 or visit www.faro.com

