FARO® Laser Scanner Focus^{3D} X 130

The New Powerful X Series Laser Scanner

Mid range scanning - up to 130m

Its range up to 130m allows the Focus^{3D} X 130 for laser scanning in all kinds of applications in the architecture, BIM, heritage, forensics, ship-building, construction, process industry, CGI, and many others.

Xtra positioning - integrated GPS receiver

Effortlessly determine the position of the scanner. This helps to facilitate the registration process and provides the exact time and location of the users' scans.

Xtra portable

The Focus^{3D} X 130 has the size of only 24 x 20 x 10 cm and a weight of just 5.2kg. Waterproof Pelicase and a ergonomic backpack incl. tripod holder make the device truly portable.

Wireless LAN

WLAN remote control permits you to start, stop, and view scans at a distance.

Best value for money

The new Focus^{3D} X 130 delivers extraordinary performance at affordable rates, unique to the market.

X-series laser scanner for mid-range applications

The new X-series laser scanner FARO Focus^{3D} X 130 is a powerful high-speed 3D scanner for all kinds of applications.

The ultra-portable Focus^{3D} X 130 enables fast, straightforward, and yet accurate measurements of façades, complex structures, production and supply facilities, accident sites, and large-volume components. Combining the highest-precision scanning technology with authentic mobility and ease-of-use, the new device offers reliability, flexibility, and real-time views of recorded data. The 3D scan data can easily be imported into all commonly used software solutions for accident reconstruction, architecture, civil engineering, construction, forensics or industrial manufacturing.

With a battery runtime of 4.5 hours, the laser scanner has also a high level of flexibility and endurance. The Focus' light weight, small size and SD-card makes the scanner truly mobile.

Benefits

The new FARO Focus^{3D} X 130 is the powerful and affordable tool for mid-range 3D documentation applications.

One million points/second scanning rate, ease-of-use, portability, scanning range up to 130m, integrated GPS, very low noise as well as WLAN remote control make it a universal tool for all kinds of working enviroments.

FARO® Laser Scanner Focus^{3D} X 130

www.faro.com

Performance Specifications Focus^{3D} X 130

Ranging unit

Unambiguity interval:	>130m
Range Focus^{3D} X 130:	0.6m - 130m indoor or outdoor with upright incidence to a 90% reflective surface
Measurement speed (pts/sec):	122,000 / 244,000 / 488,000 / 976,000
Ranging error[1]:	±2mm

Ranging noise[2]	@10m	@10m - noise compressed[3]	@25m	@25m - noise compressed[3]
@ 90% refl.	0.3mm	0.15mm	0.3mm	0.15mm
@ 10% refl.	0.4mm	0.2mm	0.5mm	0.25mm

Colour unit

Resolution:	Up to 70 megapixel colour
Dynamic colour feature:	Automatic adaption of brightness
Parallax:	Co-axial design

Deflection unit

Field of view (vertical/horizontal):	300° / 360°
Step size (vertical/horizontal):	0.009° (40,960 3D-Pixel on 360°) / 0,009° (40.960 3D-Pixel on 360°)
Max. vertical scan speed:	5.820rpm or 97Hz

Laser (optical transmitter)

Laser class:	Laser class 1
Wavelength:	1550nm
Beam divergence:	Typical 0.19mrad (0,011°) (1/e, halfangle)
Beam diameter at exit:	Typical 2.25mm (1/e)

Data handling and control

Data storage:	SD, SDHC™, SDXC™; 32GB card included
Scanner control:	Via touchscreen display and WLAN
New WLAN access:	Remote control, scan visualisation are possible on mobile devices with Flash®

Multi-Sensor

Dual axis compensator:	Levels each scan: Accuracy 0.015°; Range ± 5°
Height sensor:	Via an electronic barometer the height relative to a fixed point can be detected and added to a scan.
Compass[4]:	The electronic compass gives the scan an orientation. A calibration feature is included.
GPS:	Integrated GPS receiver

CLASS 1 LASER PRODUCT

[1] Ranging error is defined as a systematic measurement error at around 10m and 25m, one sigma [2] Ranging noise is defined as a standard deviation of values about the best-fit plane for measurement speed of 122,000 points/sec.[3] A noise-compression algorithm may be activated thereby compressing raw data noise by a factor of 2 or 4. Subject to change without prior notice .[4] Ferromagnetic objects can disturb the earth magnetic field and lead to inaccurate measurements

General

Power supply voltage:	19V (external supply) 14.4V (internal battery)
Power consumption:	40W and 80W (while battery charges)
Battery life:	4.5 hours
Ambient temperature:	5° - 40°C
Humidity:	Non-condensing
Cable connector:	Located in scanner mount
Weight:	5.2kg
Size:	240 x 200 x 100mm
Maintenance / calibration:	Annual

ISO 9001 BUREAU VERITAS Certification

ANAB ACCREDITED

GSA Contract Holder

Global Offices: Australia ▪ Brazil ▪ China ▪ France ▪ Germany
India ▪ Italy ▪ Japan ▪ Malaysia ▪ Mexico ▪ Netherlands
Philippines ▪ Poland ▪ Portugal ▪ Singapore ▪ Spain ▪ Switzerland
Thailand ▪ Turkey ▪ United Kingdom ▪ USA ▪ Vietnam

www.faro.com
Freecall 00 800 3276 7253
info@faroeurope.com