Leica ScanStation P15
Enter the world of precise laser scanning

Precise laser scanning at the touch of a button!

Data quality & speed
The new Leica ScanStation P15 achieves an extremely fast million points per second scan rate and delivers the highest quality possible in 3D data for project scans with ranges of up to 40m. In addition, it has best-in-class angular measurements and tilt compensation, making the Leica ScanStation P15 perfectly suited for quick and accurate as-built surveys of any scenes.

Easy-to-use
The Leica ScanStation P15 features an intuitive and user-friendly touch screen interface. The one-touch scan button and wizard style software guarantee an easy workflow and enable a fast data check in the field. Combined with WLAN remote control, the Leica ScanStation P15 can be operated by any handheld device.

Works under the most challenging conditions
Robustly built, the Leica ScanStation P15 can be used even under the most challenging conditions. With an environmental rating of IP54, the Leica ScanStation P15 operates at temperatures ranging from -20°C to +50°C and also enables 3D scanning in full sunlight or complete darkness.

Value for money
Its attractive price-performance ratio, worldwide support and quality service from Leica Geosystems result in a low cost of ownership and make the Leica ScanStation P15 the perfect solution for companies entering the laser scanning business.

- when it has to be right
Leica ScanStation P15

Product specifications

**General**

Instrument type  Compact, ultra-high speed pulsed laser scanner with survey grade accuracy and integrated camera
User interface  Onboard control, notebook or tablet PC, PDA
Data storage  Integrated solid-state drive (SSD) or external USB flash drive
Camera  Auto-adjusting, integrated high-resolution digital camera with zoom video

**System Performance**

Accuracy of single measurement

- **Positional accuracy**: ±1 mm at 40 m
- **Angular accuracy**: 8° horizontal; 8° vertical

Target acquisition: Up to 40 m in post-processing software

Dual-axis compensator: Selectable on/off, resolution 1°, dynamic range +/- 5°, accuracy 1.5°

**Laser Scanning and Imaging System**

- **Type**: Ultra-high speed time-of-flight enhanced by Waveform Digitizing (WFD) technology
- **Wavelength**: 808 nm (invisible) / 658 nm (visible)
- **Laser class**: 2 (in accordance with IEC 60825-1)
- **Digitising (WFD) technology**: Accuracy 1.5°
- **Behavior with IEC 60825-1**: Laser plummet: Laser class 1 in accordance with IEC 60825-1 resp. EN 60825-1
- **Data transfer**: Touchscreen control with stylus, full colour VGA
- **Imaging**: 256 GB onboard solid-state drive (SSD) or laser plummet
- **Power consumption**: 40W (typical)

**Electrical**

- **Power supply**: 24V DC, 100 – 240V AC
- **Power consumption**: 40W (typical)
- **Battery type**: Internal: Li-Ion; External: Li-Ion
- **Power ports**: Internal: 2; External: 1 (simultaneous use, hot swappable)
- **Duration**: Internal > 7 h (2 batteries), External > 8.5 h (room temp.)

**Environmental**

- **Operating temperature**: -20° C to +50° C / -4° F to 122° F
- **Storage temperature**: -40° C to +70° C / -40° F to 158° F
- **Lighting**: Fully operational between bright sunlight and complete darkness
- **Humidity**: Non-condensing
- **Dust/Humidity**: IP64 (IEC 60529)

**Physical**

- **Scanner**: Dimensions (D x W x H) 270° x 270° x 160°, Weight 10 kg
- **Battery (internal)**: Dimensions (D x W x H) 95 mm x 248 mm x 60 mm, Weight 1.9 kg
- **Battery (external)**: Dimensions (D x W x H) 170 mm x 85 mm x 42.5 mm, Weight 0.86 kg

**Standard Accessories Included**

- **Scanner transport case**: Trichob (Leica Professional Series)
- **Battery charger**: 4x internal batteries
- **Battery charger / AC power cable**: Tripod, car adapter, daisy chain cable

**Additional Accessories & Services**

- **B&W scan targets and target accessories**: Include Support, Hardware & Software maintenance and Extended warranty.
- **External battery with charging station**: AC power supply and power cable
- **Professional charger for internal batteries**: AC power supply for scanner
- **Tripod and tripod star**: Tripod and tripod star
- **Upside down mounting adapter**: Upside down mounting adapter

**Control Options**

- **Full colour touchscreen for onboard scan control**: Remote control: Leica CS10/CS15 controller or any other remote desktop capable device, including iPad, iPhone and other SmartPhones.

**Ordering Information**

Contact your local Leica Geosystems representative or an authorised Leica Geosystems dealer.

All specifications are subject to change without notice.
All accuracy specifications are one sigma unless otherwise noted.
* Algorithmic fit to planar B&W targets
** Detailed explanation on request

Scanner: Laser class 2, accordance with IEC 60825-1 resp. EN 60825-1

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Your Trusted Active Customer Care

Active Customer care is a true partnership between Leica Geosystems and its customers. Customer Care Packages (CPs) ensure optimally maintained equipment and the most up-to-date software to deliver the best results for your business. The myWorld® Leica Geosystems customer portal provides a wealth of information 24/7.