

VITACON.

VitaScan

A Safe, Easy and Non-invasive system for Bladder Scanning



**Products &
Technical Specification**

vitacon.com

A Safe, Easy and Non-invasive system for Bladder Scanning

Medical indications

Real-time bladder scanning is a safe, easy and non-invasive method for measuring bladder volume. Bladder scanning measures ultrasonic reflections within a patient's body and differentiates the urinary bladder from the surrounding tissues.

Bladder image in real-time ultrasound makes it easier to detect the bladder before scanning. **VitaScan** calculates the patient's bladder volume in 3D and displays volume and bladder image on screen.

Prevent catheter associated Urinary Tract Infections (UTI)

Diagnose Post-operative Urinary Retention (POUR)

Diagnose Post Void Residual (PVR)

Diagnose Bladder Outlet Obstruction (BOO)

Identifying blocked Foley catheter

Bladder function after removing an indwelling urinary catheter

Identify bladder distention

Identify causes of urinary frequency and bladder irritability

Accurate assessment of a patient's hydration status

Useful tool in bladder retraining (Biofeedback)



VitaScan Probe

The **VitaScan** is accurate, fast and easy to use. No sonographical experience is needed. Single-button control to start/stop the bladder scanning. Fully automated scanning in multiple planes from one position within seconds.

FEATURES

- Connect the **VitaScan** probe to any Windows tablet/computer via the USB connector and download the **VitaScan** application software for free.
- **VitaScan** application software may be installed on multiple devices for easy access.

VitaScan PD Bladder Scanner

VitaScan PD is a mobile and fully self-contained real-time bladder scanner. Reports can be printed via its internal printer or stored on USB-stick in JPEG format. Durability, ease-of-use and fast boot-up time make it suitable also for remote use. **VitaScan PD** is GDPR compliant.



7-inch touchscreen



The scanner runs on mains power supply and/or internal battery with 5 hours battery capacity. The scanner features an internal thermal printer for immediate documentation.

Portable design



Real-time portable ultrasound bladder scanner for easy use. Intuitive design for carrying with a soft case to protect during transportation.

Simple and Intuitive



The VitaScan features automatic volume measurements and bladder volume calculation with large digit display.

VitaScan LT Bladder Scanner

VitaScan LT is a real-time bladder scanner with Windows OS medical grade tablet. The **VitaScan LT** offers integration protocol to any hospital EMR systems. Can be configured with hospital domain login credentials. Full page reports in PDF, JPEG or DICOM may be printed directly via network (Wi-Fi or Bluetooth) printer or saved and archived under patient folders.



Fully automated calculation



No sonographical experience is needed. Single button control to start/stop the bladder scanning. Fully automated scanning in multiple planes from one position.

Sharp and clear images



Advanced image processing for sharp and clear images. Full page reports in PDF, JPEG or DICOM formats. Automatic PVR calculation possible (pre-void/post void scan options).

Easy integration



VitaScan LT offers integration protocol to any hospital EMR systems. View and save exam results easily on your own local computer storage.

Volume range

Accuracy

Probe Frequency

Scanning method

Rotation positions

Sweep angle

0 - 1000 ml

+/- 10% of reading, +/- 20 ml

2.4 MHz

Sector, 180 degrees

Up to 24 rotating positions

120 degrees

Volume range

Accuracy

Probe Frequency

Scanning method

Rotation positions

Sweep angle

0 - 1000 ml

+/- 10% of reading, +/- 20 ml

2.4 MHz

Sector, 180 degrees

Up to 24 rotating positions

120 degrees

VitaScan Wi-Fi Module

The **VitaScan** Wi-Fi module minimises the amount/size of equipment used in contaminated patient areas. Only the **VitaScan** probe and the **VitaScan** Wi-Fi module need to be brought into the contaminated patient area. The **VitaScan** probe may be protected by a disposable probe-cover and the **VitaScan** Wi-Fi module may be put in the pocket to minimise time-consuming disinfection procedure. **VitaScan** Wi-Fi module features wireless transmission of data to **VitaScan LT** bladder scanner. It enables the **VitaScan LT** bladder scanner to connect **VitaScan** probe wirelessly. **VitaScan** Wi-Fi module consists of a rechargeable battery with long battery life. The device complies with FCC and CE standards for radio interference.



Helps prevent spread of infection



Prevents the risk of transmission of infection and infectious diseases to patients and staff during procedures.

Reduces maintenance



Reduces the need for costly and time-consuming disinfection. Only **VitaScan** probe and the **VitaScan** Wi-Fi module need to be brought into the contaminated patient area.

Order info

Please refer to Item Codes below to obtain further product information or quotation. **Vitacon** warranty period is twenty-four (24) months from date of purchase. **Vitacon** ensures that the **VitaScan** products conform to published specifications and to accompanying documentation.

Product	Item Code
VitaScan Ultrasound Probe	100525
VitaScan LT Bladder Scanner with VitaScan Mobile Cart	100525 ML
VitaScan Wi-Fi Module	100697
VitaScan Soft Carrying case	100561
VitaScan PD Bladder Scanner	100550
VitaScan PD Bladder Scanner with VitaScan Mobile Cart	100550 MP
VitaScan PD Soft Carrying case	100560
Extra	
VitaScan Calibration Test Tool	100651
VitaScan Verification Test Tool	100752
5-year warranty extension (VitaScan Probe)	100700

Contact

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Note: Specifications are subject to change without notice

Volume range	0 - 1000 ml
Accuracy	+/- 10% of reading, +/- 20 ml
Probe Frequency	2.40 MHz
Scanning method	Sector, 180 degrees
Rotation positions	Up to 24 rotating positions
Sweep angle	120 degrees

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