

# VitaScan LT

- Technical Specification and Order information

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## VitaScan LT - USB Ultrasound Bladder scanner

Real-time bladder scanning is a safe and easy, non-invasive method to measure bladder volume. Bladder scanning measures ultrasonic reflections within a patient's body and differentiates the urinary bladder from the surrounding tissues. VitaScan LT is applicable in many clinical areas to determine bladder volume, time for bladder emptying and detection of post void residual (PVR). Bladder image in real-time ultrasound makes it easier to detect the bladder before scanning. VitaScan LT calculates patient's bladder by 3D volume calculation and displays volume and bladder image on screen.

The VitaScan LT is fast and easy to use. When the user presses the scan button the VitaScan LT produces a three-dimensional image, calculates, and displays the bladder volume within seconds.



## Features

- Real-time Ultrasound Bladder Scanner.
- Simple and intuitive to use.
- Easy and precise location of the urinary bladder
- Set different scan depths:
  - 10cm designed for Children
  - 16cm designed for Adults
  - 23cm designed for Obese
- Bladder volume calculations in large digit
- View and save exam result easily
- Option to create DICOM or JPEG reports.
- Manual measurement feature.
- Logging for all scans, emulate scans in simulator.
- Compatible with Windows XP, Vista, 7, 8 and 10.



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## Technical Specification

Volume range	0 – 1000 ml
Accuracy	+/- 10% of reading, +/- 20 ml
Probe Frequency	2.35 MHz
Scanning method	Sector, 180 degrees
Rotation positions	24 rotating positions
Sweep angle	120 degrees
Max detection depth	150 mm or 230 mm
Probe dimension (L x W x H)	14 x 4.5 x 6.6 cm (5.5 x 1.8 x 2.6 in.)
Probe weight incl. cable	0.38kg (0.84lb.)
Power Supplied by USB port:	0.5A@5V
Operating conditions	+10C to + 45 C, 10 % - 80 % humidity
Storage temperature	-30 C to + 50 C
PC requirements	OS: Windows XP, Vista, 7, 8 and 10 CPU: Intel® Cedarview™ Processor N2600 RAM: 2GB DDR3/1333MHz SO-DIMM Display Resolution: < 800x600 Free Disk Space: 4GB.
Certificates	CE, FDA, CSA
Language	Configured to support all international languages



100525ML



## Order information

### Description

### Order Number

VitaScan LT Bladder Scanner System	100525ML
VitaScan LT 2.35 MHz USB probe	100525
VitaScan Calibration Test Tool	100651
VitaScan Verification Test Tool	100752
On-line Calibration fee	100654
1 Year extended warranty (Max: 3 years extended)	100699
Probe sleeve	100680
Probe holder brace and probe sleeve	100687
Plate for laptop and probe sleeve	100543