

# VitaScan LT

- Technical Specifications and Ordering information

## USB Ultrasound Bladder Monitor

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 volume in multiple planes and displays volume and bladder image on the screen.



The VitaScan LT is fast and easy to use. When user presses the scan button the VitaScan LT automatically produces a three-dimensional image and calculates and displays the bladder volume within seconds. Measurements can be transmitted to your office or facility computer for viewing, printing or archiving.

## Medical indications

- Urinary incontinence
- Urinary retention
- Urinary tract infections
- Post Void Residual (PVR)
- Post Operative Urinary Retention (POUR)
- Bladder Outlet Obstruction
- Overactive Bladder
- Benign prostatic hyperplasia
- Bladder retraining (biofeedback)

## Features

- Automatic volume measurements
- Simple and intuitive to use. No ultrasound experience required
- PreScan mode provided for easy and precise location of the bladder
- Variety of patient types including: pediatric, women, men and obese patients
- Bladder volume calculations displayed in large digit
- Real-time Ultrasound Bladder Monitor
- View and save exams easily, creating EMRs for your patients
- Software updates via USB/Flash drive
- USB ultrasound probe connection
- Low power consumption
- Optional mobile cart with locking wheel

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## Technical Specifications

Volume range	0 - 1000 ml
Accuracy	+/- 10% of reading, +/- 20 ml
Probe Frequency	2.30 MHz
Scanning method	Sector, 180 degrees
Rotation positions	6, 12 or 24 rotating positions
Sweep angle	110 degrees
Detection depth	100, 160 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 consumption	2,5 W, supplied by USB port 2.0
Operating conditions	+10°C to +45°C, 10% - 80% rel. humidity
Storage temperature	-30°C to + 50°C
PC requirements	Windows XP/Vista/7 and USB 2.0 Type A female
Language	Supports multiple languages

Specifications subject to change without notice



## Ordering information

Description	Order Number
VitaScan LT incl.: USB ultrasound probe, software, documentation and carrying case	100525
VitaScan Calibration Check Phantom	100531
VitaScan Calibration Test Tool	100651
VitaScan LT carrying case	100653
Plate for laptop (for mobile cart VESA 75)	100543
Plate for medical grade tablet Arbor G0710 (7')	100666
Plate for medical grade tablet Arbor M1040 (10')	100667
Plate for medical grade tablet Arbor M1255 (12')	100668
Tray for laptop with VESA75 inserts	100579

Online calibration

