

System Specifications

signosRT

Bladder

MEDICAL APPLICATIONS

Automatic Bladder Volume Measurement

PHYSICAL CHARACTERISTICS

Weight	13.8 oz (392g)		
Dimensions	Display Unit 4.5" H x 2.7" W x 0.8" D (11.5cm H x 6.8cm W x 2 cm D)	Ultrasound Probe 5.5" L x 2.4" W x 1.3" D (14cm L x ~6cm W x ~3.3cm D)	Connecting Cable 33.8" L (85.8cm L)

IMAGING MODES & PROCESSING

B-Mode	Real-time imaging
System Dynamic Range	Approximately 120 dB
Scanning Depth	0 to 18 cm
Image Processing	Gain, grey scale transfer curve

TRANSDUCER

S3 Sector

USER INTERFACE

- Touch screen and scroll wheel
- Onscreen alpha-numeric keyboard
- Controls: Scan depth, brightness (gain)
- Printing: PictBridge compatible USB port
- Display: 2.7" TFT Colour LCD, 240 x 320 pixels, 18 bit RGB with brightness control
- Grey Scale: 256 processing, storage, and PC display
- Security : Encryption of image storage, optional password protection
- Stores patient and exam information for later review or transfer to PC

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IMAGE STORAGE

Storage	microSD™ card will store up to 5000 measurements
PC Connectivity	Connects directly to a PC via USB cable. Measurements can be downloaded to a PC running SigViewer™ software

APPLICATION SPECIFIC SEQUENCES

Automatic Bladder Volume Measurement - Single Scan Measurement or Double Scan Measurement

POWER

Battery Operated	2000mAh Lithium-ion polymer cell
AC	Recharge using Signostics AC power supply – Input : 100-240VAC, 50-60Hz, 0.4A, - Output : 5V, 2.0A
USB	Recharge using USB connection. Output 5V 0.5A
Car charger (not included)	Recharge using car charger. Output 5V 1.5A
Fully charge battery in 3.0 hours; 75% charge in 2 hours. (Using AC charger)	
Over 120 minutes of continuous scanning	
Typical use up to 30 hours (based on four 1 minute scans per hour)	

ENVIRONMENTAL

Operating Temperature
0 - 40°C

Operating Relative Humidity (non-condensing)
10 – 90%

SIGVIEWER PC SOFTWARE (Included with Signos RT Bladder Scanner purchase)

Synchronize images and patient data to PC
Search and manage patient study database
Export image data
Automatic update of Signos RT Bladder Scanner software
Compatible with Windows XP, Windows Vista, Windows 7, Windows 8