



mediwatch Plc

Innovative Diagnostic Solutions



multiscan™

**A Portable Multipurpose Real-Time
Ultrasound Scanner for Urology**

Features

- Real-time ultrasound scanning & image capture
- Simple, intuitive software with touch-screen input
- 3.5 - 5.0 MHz abdominal probe for adults & children
- Optional 7.5 MHz end-fire endocavity and 12 MHz linear probes
- Automatic bladder volume calculation
- Touch-screen length & width callipers for organ measurement
- Urinalysis data input
- Large database for storage of images, records and reports
- Bluetooth® wireless connectivity (with Portaflow™ or Bioscan™ PSAwatch™ reader)
- On-board virtual keyboard for data input
- Optional USB input / output
- Rechargeable battery or mains power

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A Portable Multipurpose Real-Time Ultrasound Scanner for Urology

Urologists, primary care physicians and nurses rely on accurate imaging of the urinary tract and other organs in order to determine the need for treatment. The Multiscan has been designed for urology and use by a variety of carers in a point-of-care environment where immediate, reliable imaging and data acquisition is required.

Simple point and freeze operation makes the Multiscan the scanner of choice for the busy clinical environment. The Multiscan is designed for bladder volume scans, and measurements of the kidney and other organs, as well as visual assessment of urological conditions.

Integrated Bladder & Prostate Scans with PSA & Uroflow Data

The Multiscan is a unique ultrasound scanner. Addition of the Mediwatch Portaflow or Bioscan PSAwatch reader enables the Multiscan to wirelessly integrate uroflow and PSA data by Bluetooth®. Results may be saved to the database or sent to a Bluetooth® desktop printer for a printout of a complete bladder or prostate report showing:

- Bladder images
- Uroflow graph
- Urinalysis data
- Prostate images
- PSA density
- Post void volume
- Uroflow data
- PSA value
- Biopsy results

Accessories

Description	Part Number
Complete Multiscan with 3.5 - 5.0 MHz abdominal probe (Supplied with desk stand & shoulder carry bag)	M-0001
7.5 MHz convex endocavity probe	M-0004
12 MHz linear probe	M-0008
Replacement 3.5 - 5.0 MHz abdominal probe	M-0003
Mobile stand on wheels	PS-00010
Ultrasonic gel	U-0208
Desktop Printer with Bluetooth® Connection	PS-00070
Washable USB Keyboard	PS-00069
Optical USB Mouse	PS-00068



Technical Specifications

Dimensions	26.5 cm (W) x 20.5 (H) cm x 6 cm (D)
Weight	2.1 Kgs with battery & probe
Screen	8.4 inch colour SVGA TFT LCD
Probe Frequencies	3.5 \ 5.0 MHz, 7.5 MHz or 12 MHz
Accuracy *	0-699 ml +/- 5% +/- 20 ml, 700-1500 ml +/- 5% +/- 25 ml
Organ Volume *	0-1500 ml
Scanning Method	Mechanical Sector
Input Method	Touch Screen (or USB keyboard \ mouse)
Operating System	Windows XP on compact flash
Power	Rechargeable internal battery or external power supply
Battery Life	3 hours
Operating Conditions	8 to 40°C, up to 90% RH (20°C)
Environmental requirements	-10 to 40°C
Connectivity	USB and Bluetooth®
CE marked	0843

(*Used as per instructions and scanning a tissue equivalent phantom)



CE 0843