

Choice for Bladder Scanner

CUBESCAN™

Model: BioCon-500

Mcube Statement

All executive and staff of Mcube Technology are committed to develop and manufacture the high quality medical devices for the enhancement of quality-of-life and welfare of all human beings.

Bladder Volume Measurement System



BioCon-500



BioCon-700



CUBESCAN



Magnetic Stimulator
BioCon-1000Pro



Man, Machine & Medicine
Mcube Technology Co., Ltd.

Room #803 Shinnae-Technotown 485 Sangbong-dong
Chungnang-gu Seoul 131-220 Korea
Tel: +82-2-3421-7780 Fax: +82-2-3421-7076

Homepage: www.mcubetech.co.kr
E-mail: mcube@mcubetech.co.kr

Distributor

To order, or for more information, please contact;

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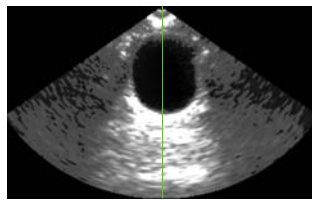
What is CUBEscan

CUBEscan Bladder Scanner is the portable 3D ultrasound medical device to measure quickly and accurately the bladder volume and PVR(Post-Void Residual volume) on Real-Time Pre-Scan.

Real-time Pre-Scan

The 'Real-Time Pre-Scan' function shows the Real-Time Ultrasound Image on the LCD screen and hence enables any non-trained user to locate easily the bladder position for accurate scanning and reliable measuring.

▷Reverse Image



On-Site Printing and PC-transfer

The measured information can be printed via built-in printer or transferred to PC for viewing, printing or archiving purpose via USB-supported cable connection.

▷PC-Transfer



Easily Locate Bladder Position & Get Accurate Volume

Clinical Applications

Medical Service

- Urology
- Obstetrics-Gynecology
- Geriatrics
- Pediatrics
- Rehabilitation
- Surgical
- Operation Room
- Recovery Room
- Emergency
- Intensive Care
- Extended Care
- Home Health

Effects

- Diagnose urinary retention and evaluate many common urological conditions
- Prevent unnecessary catheterization
- Reduce rates of urinary tract infection
- Monitor post-operative recovery
- Screen different types of incontinence to determine appropriate care
- Help caregivers manage and treat incontinence
- Reduce costs and save staff time

Characteristics

- Non-Invasive Measurement
- Real-Time Pre-Scan
- Review of scanned bladder images
- Save and Retrieval of scanned information
- PC-transfer for scanned information
- Built-in Printer

Benefits

- Screens urological problems
- Evaluates urinary retention
- Prevents bladder over-distension
- Reduces rate of urinary tract infection
- Measures PVR (post-void residual)
- Minimizes unnecessary catheter usage
- Prevents post-operative urinary retention
- Minimizes Incontinence episodes

For Patients

- Preserves patients dignity
- Reduces patients pain and discomfort
- Improves quality of life
- Reduces overall cost of care

For Hospitals

- Improves quality of patient care
- Reduces the frequency of catheterization
- Saves staff-time and increases job satisfaction
- Saves total expenses
- Enhances good reputation

Technical Specifications

Display	5.6" STN LCD (320 x 240 pixels, 16 gray levels)
Volume Range	0-999mL Accuracy: $\pm 20\%$, $\pm 20\text{ml}$ (0-699ml); $\pm 25\%$, $\pm 25\text{ml}$ (700-999ml) ¹⁾
Printer	Built-in (50mm width) thermal printer
Ultrasound Probe	3D Sector Scan, 2.8MHz ultrasound frequency, B-Mode Scan, Scan Angle: 120°
Power	16V or 12V DC Adapter (Input: AC100-240V 50/60Hz) 7.4V Li-Ion Rechargeable Battery Power Consumption: 30VA
Dimension	375(L) x 240(W) x 116(H)mm (2.86Kg)
Ultrasound Output Parameters	Maximum (ISPTA): $\leq 1\text{mW/cm}^2$ Maximum (ISPPA): $\leq 10\text{W/cm}^2$ Maximum MI(Mechanical Index): 0.5max Transducer diameter: 14mm Transducer Resonant Frequency: 2.8MHz

* Consumables: Battery Pack, Thermal Paper, Ultrasound Gel

* Rolling Cart (Optional): The spec. of Rolling Cart may differ according to local supplier

* 1) According to the scanning instruction and scanning on a Mcube Technology Tissue-Equivalent Bladder Phantom



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