



# Pediatric BladderScan™ BVI 6200

- *Enables assessment of a child's bladder volume without catheterization*
- *Optimized for children up to 48" (122 cm) tall and weighing up to 60 lbs. (27 kg)*
- *Minimizes risk of prolonged or undiagnosed urinary retention*
- *Reduces incidence of urinary tract infection and thus, antibiotic use*
- *Decreases the chance of upper urinary tract damage*
- *Eliminates unnecessary trauma to the child*
- *Lowers the cost of care by reducing infection and complications resulting from catheterization*
- *Gentle and easy to use, so children are happier and easier to care for*

Quality System Certified to  
ISO 9001, ISO 13485 and  
EN 46001 standards



## Gentle, Noninvasive Bladder Volume Measurement



The Pediatric BladderScan is the newest addition to Diagnostic Ultrasound's trusted family of BladderScan instruments. By enabling caregivers to measure a child's bladder volume noninvasively, this easy-to-use, handheld tool aids in the diagnosis and treatment of urinary conditions.

The Pediatric BladderScan quickly provides accurate results in a manner that is safe and comfortable for the child. Because the BladderScan is gentle and less upsetting than catheterization, the child is happier and easier to care for.

By preventing unnecessary catheterization, the Pediatric BladderScan reduces the risk of upper urinary tract damage, infection, and other complications. The result is improved care and reduced overall costs. Gentle, noninvasive, and easy-to-use, the Pediatric BladderScan helps healthcare providers give the best care to children and infants.

**DIAGNOSTIC  
ULTRASOUND**



# Pediatric BladderScan™ BVI 6200

## Gentle, Noninvasive Bladder Volume Measurement

### HOW IT WORKS

Diagnostic Ultrasound's Pediatric BladderScan is designed to measure bladder volume easily and noninvasively. The BladderScan employs ultrasonic reflections within the body to create a three-dimensional image of the bladder. Based on this image, the BladderScan calculates and displays an accurate bladder volume measurement on the LCD screen. Ultrasound images from BladderScan exams can be viewed on ScanPoint™, Diagnostic Ultrasound's innovative online service. ScanPoint enables the BladderScan user to view, save, and print the results of ultrasound exams and to calibrate the bladder imaging device for optimum accuracy.

The Pediatric BladderScan is fast and easy to use. Simply apply a Sontac gel pad, select patient gender, position the scanhead, and press the scan button. An aiming icon on the instrument's LCD screen guides the user to optimal positioning of the scanhead, to ensure accuracy of measurement.

### SONTAC® GEL PADS

The Pediatric BladderScan was designed specifically to be used with Diagnostic Ultrasound's Sontac Gel Pads.

Sontac is a unique ultrasound conducting gel pad that is placed directly on the skin of the patient. Faster and easier to apply and remove than conventional gel, the Sontac gel pad provides superior soundwave transmission. With Sontac, no time consuming clean-up is required after ultrasound exams. Each Sontac gel pad is conveniently enclosed in hygienic thin foil packaging, and the use of one gel pad suffices for the entire procedure, even if multiple scans are performed.

### SPECIFICATIONS

#### Range

Bladder volume: 0 - 200 ml

#### Accuracy

± 15%, ± 15 ml

#### Scan Time

Less than 5 seconds

#### Weight

Less than 11 oz. (309 grams)

#### Power

3.8v Li Ion rechargeable battery pack

Note: Accuracy specification is based upon measurement of Diagnostic Ultrasound tissue equivalent bladder phantoms, using the technique stated in the phantom labeling.

\*SPTA: Spatial temporal average  
SPPA: Spatial peak pulse average

### Ultrasound Output Parameters

Maximum SPTA Intensity\*: 1.04 mW/cm<sup>2</sup>

Maximum SPPA Intensity\*: 65.0 W/cm<sup>2</sup>

Mechanical Index (MI): Maximum 0.925

Ultrasound Frequency: 3.7 MHz

Scan Angle: 120 degrees

Mode: B-mode

### Operating Conditions

Temperature: +10°C to +40°C

Humidity: 30% to 75%, non-condensing

## DIAGNOSTIC ULTRASOUND

### Corporate Headquarters

21222 30th Drive SE Suite 120  
Bothell, WA 98021

USA

425.867.1348

Fax: 425.883.2896

### European Office

Lage Dijk-Noord 14

3401 VA IJsselstein

The Netherlands

+31.30.687.0570

Fax: +31.30.687.0512

[www.dxu.com](http://www.dxu.com)

[www.dxuscanpoint.com](http://www.dxuscanpoint.com)

BladderScan™, Sontac®, and ScanPoint™ are trademarks of Diagnostic Ultrasound Corporation.

0900-0679-00-89