



The refurbished **BladderScan Prime** portable 3D ultrasound instrument redefines accuracy and makes ease of use easier than ever. In the event of a drop, the Prime has a built-in mechanical diagnostic to confirm it's still working properly. NeuralHarmonics enables more accurate measurements than conventional two-dimensional ultrasound. In bladder volume measurements, a unique second harmonic differentiates the bladder, urine, and hypo-echogenic regions, such as the uterus. VMODE technology acquires multiple scan planes to produce a 3-dimensional quantification of the bladder. Based on this quantification, the instrument automatically calculates and displays urinary bladder volume.

Features

- Measures bladder volume noninvasively on a wide range of patients
- Helps reduce rates of catheter-associated urinary tract infection (CAUTI)
- Can prevent unnecessary catheterization and unnecessary trauma to patients
- Confirms peak volume via additional scans
- NeuralHarmonics technology supports clinically sound decisions by delineating tissue borders.
- Differentiates the bladder, urine and hypo-echogenic regions such as the uterus.
- Unique scanning modes (male, female, small child)
- Touch screen controls



Specifications

Dimensions	(H x W x D) 125mm (4.92in) X 227 mm (8.94 in) x 259 mm (10.20 in)
Weight	1770 kg (3.90 lbs)
Display	1280 x 800 pixels
Touch Screen	Yes
Output connectivity	USB Ports, 5 V DC at 100 mA maximum from each port
Probe	The probe contacts the patient and transmits and receives ultrasound waves, automatically moving its internal transducer 360° to scan twelve planes to produce a three dimensional image of the bladder. The probe is attached to the console by a cable. After a scan, the probe displays bladder volume and targeting
Battery	Lithium ion battery
Battery life	A fully charged battery will typically provide over 24 hours of normal operating use between charges
Charge time	2.5 hours (typical)
Input Voltage	100–240 V AC, single phase
Input Frequency	50–60 Hz
Input Current	1.4 A max
Input Connection	IEC C13 connection, line cord plug NEMA 5 15 (North America), AS 3112 (Australia), CEE 7/4 (Europe), BS 1363 (United Kingdom)
Output	24 V DC / 0–2.71 A
Insulation	10 Megaohm for 500 V DC
Fuses	Automatic Over Voltage Protection (OVP), Short Circuit Protection (SCP), Over Current Protection (OCP)
Accuracy	Bladder Volume Range: 0 to 999 mL Volume Accuracy: ± (15% ± 15 mL)