

PRODUCT SPECIFICATIONS.

BVS PRO



Device & Component Specifications



BVS series

Bladder Volume Scanners

Product Specifications BVS Pro.

General Specifications

Bladder Volume Range	<ul style="list-style-type: none"> 0-999 ml
Accuracy <ul style="list-style-type: none"> Calibration Phantom Volume 0-150 ml Volume 150-999 ml 	<ul style="list-style-type: none"> The following accuracy specification assumes usage per instructions, scanning a Mediate Medical equivalent phantom ± 10 % ± 10 % ± 10 %
Scan time Scan Image	<ul style="list-style-type: none"> Less than 4 seconds Real Time
Weight	<ul style="list-style-type: none"> Less than 470 grams
Power Fully charged battery Charge time empty battery	<ul style="list-style-type: none"> Li-ion rechargeable battery pack 3.7 V. 4400 mAh. 16.28 Wh 200 exams Less than 6 hours
Water resistance	<ul style="list-style-type: none"> Rated at IPX1 (indicates drip-proof, a higher than ordinary level of protection from drips, leaks, and spills)
Display Display options	<ul style="list-style-type: none"> OLED 1.4 resolution 240x240 Touchscreen Display on Smartphone or Tablet OS : Android 4.0 or above CPU : dual core 1.2 GHz cortex A9 or above RAM : 1 GB or more ROM : 4 GB or above Camera / Bluetooth / Wi-Fi / 3 G communication
Data transmitting	<ul style="list-style-type: none"> Bluetooth compliant with "Bluetooth Special Interest Group"
Sleep mode	<ul style="list-style-type: none"> Default = 5 minutes. Shut down can be defined
Printer	<ul style="list-style-type: none"> External (Bluetooth)
Computer connection Upgrade firmware	<ul style="list-style-type: none"> USB 2.0 Bluetooth
Transducer Probe	<ul style="list-style-type: none"> 2,5 MHz (small scan head) 3D sector scan with B-mode scan image Scan angle of 120 °

HL7 connection	<ul style="list-style-type: none"> • Upload scan data to Digital Patient System
QR code Barcode	<ul style="list-style-type: none"> • Camera in unit
Audio sound	<ul style="list-style-type: none"> • Available to recognizing different functions
Software	<ul style="list-style-type: none"> • Pre-scan function • Real-time bladder images • Automatic bladder wall recognition • No gender input needed • Scan angle indication • Print options • Scan data storage + browser (100 patients) • Bluetooth indication • Battery power indication
Language	<ul style="list-style-type: none"> • English, Chinese, Czech, Danish, Dutch, Finnish, French, German, Greek, Italian, Hungarian, Japanese, Korean, Norwegian, Portuguese, Spanish, Swedish, Turkish and on request
CE and ISO	<ul style="list-style-type: none"> •   • TÜV Class IIA Comply to IEC 60601-1-2:2007
Water ingress Warranty	<ul style="list-style-type: none"> • IPX 1 • 4 years, excluding misuse, batteries and disposables

Operation & Storage specifications

	Operating Conditions
Temperature	<ul style="list-style-type: none"> • 10° – 40°C (50°–104°F)
Relative humidity	<ul style="list-style-type: none"> • 30 – 75% non-condensing
Atmospheric pressure range	<ul style="list-style-type: none"> • 70 – 106 kPa
	Storage Conditions
Storage	<ul style="list-style-type: none"> • Indoor
Ambient temperature range	<ul style="list-style-type: none"> • -10° – 50°C (14°–122°F)
Atmospheric pressure range:	<ul style="list-style-type: none"> • 50 – 106 kPa
Relative humidity:	<ul style="list-style-type: none"> • 20–95% non-condensing



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