

# 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"> <li>0-999 ml</li> </ul>
Accuracy <ul style="list-style-type: none"> <li>Calibration Phantom</li> <li>Volume 0-150 ml</li> <li>Volume 150-999 ml</li> </ul>	<ul style="list-style-type: none"> <li>The following accuracy specification assumes usage per instructions, scanning a Mediate Medical equivalent phantom</li> <li>± 10 %</li> <li>± 15 %</li> <li>± 10 %</li> </ul>
Scan time Scan Image	<ul style="list-style-type: none"> <li>Less than 4 seconds</li> <li>Real Time</li> </ul>
Weight	<ul style="list-style-type: none"> <li>Less than 470 grams</li> </ul>
Power Fully charged battery Charge time empty battery	<ul style="list-style-type: none"> <li>Li-ion rechargeable battery pack 3.7 V. 4400 mAh. 16.28 Wh</li> <li>200 exams</li> <li>Less than 6 hours</li> </ul>
Water resistance	<ul style="list-style-type: none"> <li>Rated at IPX1 (indicates drip-proof, a higher than ordinary level of protection from drips, leaks, and spills)</li> </ul>
Display Display options	<ul style="list-style-type: none"> <li>OLED 1.4   resolution 240x240   Touchscreen</li> <li>Display on Smartphone or Tablet</li> <li>OS : Android 4.0 or above</li> <li>CPU : dual core 1.2 GHz cortex A9 or above</li> <li>RAM : 1 GB or more ROM : 4 GB or above</li> <li>Camera / Bluetooth / Wi-Fi / 3 G communication</li> </ul>
Data transmitting	<ul style="list-style-type: none"> <li>Bluetooth   compliant with "Bluetooth Special Interest Group"</li> </ul>
Sleep mode	<ul style="list-style-type: none"> <li>Default = 5 minutes. Shut down can be defined</li> </ul>
Printer	<ul style="list-style-type: none"> <li>External (Bluetooth)</li> </ul>
Computer connection Upgrade firmware	<ul style="list-style-type: none"> <li>USB 2.0</li> <li>Bluetooth</li> </ul>

Transducer   Probe	<ul style="list-style-type: none"> <li>• 2,5 MHz (small scan head) 3D sector scan with B-mode scan image Scan angle of 120 °</li> </ul>
HL7 connection	<ul style="list-style-type: none"> <li>• Upload scan data to Digital Patient System</li> </ul>
QR code   Barcode	<ul style="list-style-type: none"> <li>• Camera in unit</li> </ul>
Audio sound	<ul style="list-style-type: none"> <li>• Available to recognizing different functions</li> </ul>
Software	<ul style="list-style-type: none"> <li>• Pre-scan function</li> <li>• Real-time bladder images</li> <li>• Automatic bladder wall recognition</li> <li>• No gender input needed</li> <li>• Scan angle indication</li> <li>• Print options</li> <li>• Scan data storage + browser (100 patients)</li> <li>• Bluetooth indication</li> <li>• Battery power indication</li> </ul>
Language	<ul style="list-style-type: none"> <li>• English, Chinese, Czech, Danish, Dutch, Finnish, French, German, Greek, Italian, Hungarian, Japanese, Korean, Norwegian, Portuguese, Spanish, Swedish, Turkish and on request</li> </ul>
CE and ISO	<ul style="list-style-type: none"> <li>•   0123</li> <li>• TÜV Class IIA Comply to IEC 60601-1-2:2007</li> </ul>
Water ingress	<ul style="list-style-type: none"> <li>• IPX1</li> </ul>
Warranty	<ul style="list-style-type: none"> <li>• 4 years, excluding misuse, batteries and disposables</li> </ul>

### Operation & Storage specifications

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



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