AGS-Medical

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Bladder Scanners

Production plant is established in Chongqing, China in September 2016 and specializes in the research and development, manufacturing and marketing of medical devices, is the leading manufacturer of Bladder Scanner (Medical Ultrasound Device) in China. Our Bladder Scanner provides non-invasive bladder-volume measurement with real-time ultrasonic imaging.

Product Description

The Bladder Scanner manufactured at this state of the art facility provides a non-invasive bladder volume measurement by utilizing real-time ultrasonic imaging and measurement. The equipment consists of the main unit, 3D probe, battery and power adapter.

The equipment is designed for bladder volume measurement in medical units. It provides the basis for the implementation of clinical catheterization, and makes evaluation of residual urine volume after patients' voiding and assists in the diagnosis of the bladder and renal function diseases. This equipment helps the disabled or persons who have lost the function of automatic micturition to know the time of urination.

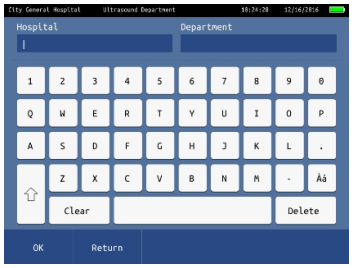
This equipment is designed and manufactured in strict accordance with: National Standard IEC 60601-1:2005"Medical electrical equipment Part 1: General requirements for safety" and IEC 60601-2-37:2007"Medical electrical equipment: Ultrasonic Diagnosis and Monitor Equipment Safety Specific Requirement". The type of defense and protection against electric shock is Class II Type B.

Z5 Technical Specifications

- Probe: 3D mechanical sector MP2/2.5MHZ
- Standard ultrasonic frequency of operation: 2.5MHz
- Volume measurement range: 0ml - 999ml
- Volume measurement accuracy: ±10%
- Volume display resolution: 1ml
- Scan time: 5 seconds
- Battery capacity: 2600mA
- Operation methods: touch keyboard
- Tissue Harmonic Imaging
- Information storage
- Information print
- Multicolored image display selection
- Multicolored screen style selection
- USB port: connecting PC and storing up user information
- Bluetooth module: wireless connecting PC
- Dimension of monitor: 8-inch TFT-LCD
- Consumption: 50W
- Dimension of equipment：210*260*50 mm
- Weight: about 1500g (including the probe)
- Power at the state of charging: 30-120VA
- Power supplied by AC when battery is full or by the battery: 30-40VA
- Battery charging time: less than 2 hours
- Battery life: more than 4 hours

Z3 Technical Specifications

- Probe: 3D mechanical sector
- Standard ultrasonic frequency of operation: 2.5MHz
- Volume measurement range: 0ml - 999ml
- Volume measurement accuracy: ±10%
- Volume display resolution: 1ml
- Scan time: 5 seconds
- Battery capacity: 2600mA
- Operation methods: touch keyboard
- Tissue Harmonic Imaging
- Information storage
- Information print
- Multicolored image display selection
- Multicolored screen style selection
- USB port: connecting PC and user information storage
- Bluetooth module: connecting PC by wireless
- Dimensions of monitor: 7-inch TFT-LCD
- Consumption: 50W
- Dimensions of equipment: 190*135*52 mm
- Weight: about 1300g (including the probe)
- Power at the state of charging: 30-120VA
- Power supplied by AC when battery is full or by the battery: 30-40VA
- Battery charging time: less than 2 hours
- Battery life: more than 4 hours

	Z5	Z3
Product model	Z5	Z3
Dimensions of monitor	8-inch TFT-LCD 800x600 pixels	7-inch TFT-LCD800x480pixels
Functional differences	Click the “General” on the left side of the System Setup interface to enter the interface of General Setting .Then click the “Hospital & Department” to enter the interface of the hospital and department name input .   	Without this function 
The depth of the scanning	≥160mm	140mm (Display the narrow)

Non-Recall Declaration

We hereby declare that we have no recall due to product quality reasons on our Bladder Scanner devices (Z5/Z3) in the past year.

Clinical Application - Intended Use:

(1) Bladder volume measurement;

(2) Evaluation of residual urine volume after patients’ voiding;

(3) Diagnosis of the bladder and renal function diseases;

(4) Helping the disabled or people who have lost the function of automatic micturition to know the time of urination.

Clinical application:

1. Department of Radiotherapy: Patients with postoperative pelvic tumors undergoing rounds of radiotherapy can have urinary retention.

2. Obstetrics and Gynecology: Patients with postoperative pelvic tumors or postpartum patients can have tourinary retention or dysuria.

3. Department of urology: Patients overactive bladder (OAB), bladder outlet obstruction (BOO), benign prostatic hyperplasia (BPH), urinary retention.

4. Department of Rehabilitation: Patients with SCI can have urinary retention and urinary incontinence.

5. Department of endocrinology: With the extension of the course of diabetes, the patient's micturition habits are changed, and bladder wall thickness and the residual urine volume which can increase the possibility of urinary tract infections are increased.

6. ICU: Patients with severe or unconscious diseases can not autonomously control urination.

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