

MERCURY FREE

Sphygmomanometer

UM-101



UM-101 Mercury Free Sphygmomanometer

The UM-101 mercury-free sphygmomanometer introduces a new era of professional blood pressure measurement. In 1905, Dr. Nikolai S. Korotkov introduced his theory of blood pressure measurement using the Riva-Rocci mercury monitor. Since then, blood pressure measurement by mercury column has reigned as the gold standard of blood pressure measurement, and his method known as the “Korotkov method” or “auscultatory method” is used for daily blood pressure monitoring by healthcare professionals worldwide.

Recently, awareness of environmental conservation issues has been increasing and the use of mercury has become a worldwide concern. Mercury is a toxic metal that can poison whole communities and remain in the local environment for many years, creating serious health risks. Therefore, the elimination of mercury is essential in order to maintain a clean and safe environment.

As a leading manufacturer of blood pressure monitors, A&D is responding to the call from the international medical community to ban the use of this toxic metal and has developed a new, highly advanced digital blood pressure monitor. The UM-101 was designed as an alternative to the mercury column, while at the same time preserving the local environment and creating an easy-to-use product for hospital personnel. The UM-101 replicates the look and feel of a mercury column to bring a high quality, familiar device to medical professionals without the drawbacks of mercury including toxicity and response lag.

- Auscultatory blood pressure measurement without mercury
- Pressure level marker button for useful reminders
- Digital readout for pulse rate
- Adjustable display column for easier analysis of results

For questions about A & D Medical products, call us toll-free at 1-800-726-3364 and a specially trained representative will assist you, or visit us at www.andmedical.com.

UM-101 Mercury Free Sphygmomanometer

Two separate versions of the UM-101 are available, a standard portable model as well as a mobile stand version. The standard portable model can be for table top use or inserted in a wall mount for more convenient positioning. The UM-101 is equipped with a small numerical display at the base of the digital column. This numerical display shows the pressure itself while it is increasing or decreasing. When a measurement is completed (below 20 mmHg), the patient's pulse rate is displayed automatically. This time-saving function is very practical because the patient's blood pressure and pulse rate are measured simultaneously. Unlike a mercury column, you can adjust A&D's digital column to your preferred position by choosing from 4 different angles (ranging from 0 to 90 degrees) for easy and convenient operation.

UM-101A – The UM-101A is the standard portable model suitable for placement on any surface. The cuff and bulb can be placed inside the device underneath the display when not in use. The UM-101A is compatible with a wall mount (UM-101WM) for more convenient positioning of the device.

UM-101B - The UM-101B combines the benefits of A&D's mercury-free sphygmomanometer with mobility by mounting the BP monitor on a 5-leg adjustable mobile stand. The cuff and bulb can be placed in a small compartment on the stand offering more efficient BP measurement, and two small handrails provide extra mobility. Both the UM-101A and the UM-101B are equipped with an adjustable display column for clear visibility from any position.

UM-101WM – The UM-101WM is a wall mount kit for use with the UM-101A. The UM-101WM contains an acrylic mount with metal bracket for the UM-101A body and a wire basket for holding the cuff and bulb.

Accessories

PART NUMBER	Description
AX-UM-101-01	Medium cuff 23 cm to 33 cm
AX-UM-101-02	Small cuff 16 cm to 23 cm
AX-UM-101-03	Large cuff 33 cm to 45 cm

Technical Specifications

Measurement Method	Auscultatory with stethoscope
Measurement range	Pressure: 0 - 300 mmHg
Numerical display	Pulse: 30 - 200 beats / minute
Measurement range	Pressure: 20 - 280 mmHg
Pressure bar display	
Measurement accuracy	Pressure: ±3mmHg
Numerical display	Pulse: ±5%
Measurement accuracy	Pressure: ±4mmHg
Pressure bar display	
Power supply	2 x 1.5V alkaline batteries (LR6 or AA)
Upper arm circumference	23 - 33 cm using the medium cuff
Classification	Type BF
EMC	IEC 60601-1-2: 2001
Operating condition	+10°C to +40°C / 30%RH to 85 %RH
Storage condition	-20°C to +60°C / 10%RH to 95 %RH
Dimensions	Approx. 96 [W] x 322 [H] x 66[D] mm
Weight	Approx. 1000 g, excluding batteries



UM-101B mobile stand mercury-free sphygmomanometer

Ask your A&D Sales Representative about other medical products.

- Blood Pressure Monitors
- Digital Thermometers
- Personal Scales
- Stethoscopes
- Pedometers

For questions about A & D Medical products, call us toll-free at 1-800-726-3364 and a specially trained representative will assist you, or visit us at www.andmedical.com.



1756 Automation Parkway
San Jose, CA 95131
www.andmedical.com



Warranty: Limited two-year warranty

LIT:UM101 02/09