Mercury-Free
Professional Blood Pressure Monitors

UM-102
UM-201
UM-211

Technology You Can Trust
http://www.aandd.jp
‘Minamata Convention on Mercury’

In October 2013, the ‘Minamata Convention on Mercury’ was adopted in Minamata city (in Japan where a serious health incident occurred as a result of mercury pollution in the mid-20th Century). Under this treaty, the manufacture, import or export of mercury and mercury contained equipment will be prohibited globally in 2020. The ‘Minamata Convention on Mercury’ requires Mercury Blood Pressure Monitors have to be phased out.

A&D Medical is Responding to ‘Mercury-Free Era’

Under the global movement towards Mercury-Free products, replacing Mercury Blood Pressure Monitors with alternative and reliable Mercury-Free devices will be a significant issue for all daily users. As a leading manufacturer of digital blood pressure monitors, A&D is responding to the ‘Minamata Convention on Mercury’, and has developed a series of new professional blood pressure monitors, the UM Series.

UM Series Lineup

<table>
<thead>
<tr>
<th>UM-102 A-type</th>
<th>UM-102 B-type</th>
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<tbody>
<tr>
<td>Auscultatory Hybrid</td>
<td>Mercury-Free Sphygmomanometer with New Dual Use Design</td>
</tr>
<tr>
<td>Traditional Style Mercury-Free Sphygmomanometer</td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>UM-201</th>
<th>UM-211</th>
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<tr>
<td>Oscillometric</td>
<td>Oscillometric and Auscultatory</td>
</tr>
<tr>
<td>Simple Operation Blood Pressure Monitor</td>
<td>All-in-one Blood Pressure Monitor</td>
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</table>
Solutions for Hospital-use Blood Pressure Monitors

Durability & Easy-to-Clean

The body and cuff of the UM Series are chemical resistant and easy to clean with the antiseptic solutions (such as ethanol, chlorhexidine gluconate and benzalkonium chloride).

Fits Various Patients

The newly designed professional cuff of the UM Series ranges from SS to LL (5 sizes), 12cm to 50cm for the arm circumference.

<table>
<thead>
<tr>
<th>Cuff Size</th>
<th>Arm Size</th>
<th>REF (for UM-102)</th>
<th>REF (for UM-201 &amp; UM-211*)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SS</td>
<td>12cm to 17cm</td>
<td>CUF-KW-SS</td>
<td>CUF-KS-SS</td>
</tr>
<tr>
<td>Small Adult</td>
<td>16cm to 24cm</td>
<td>CUF-KW-SA</td>
<td>CUF-KS-SA</td>
</tr>
<tr>
<td>Adult</td>
<td>22cm to 32cm</td>
<td>CUF-KW-A</td>
<td>CUF-KS-A</td>
</tr>
<tr>
<td>Large Adult</td>
<td>31cm to 45cm</td>
<td>CUF-KW-LA</td>
<td>CUF-KS-LA</td>
</tr>
<tr>
<td>LL</td>
<td>41cm to 50cm</td>
<td>CUF-KW-LL</td>
<td>CUF-KS-LL</td>
</tr>
</tbody>
</table>

*Adult, Large Adult and Small Adult (3 sizes) are available for use with UM-201.

Easy to Store & Easy to Carry

In order to safely and securely carry the device, a cuff holder and grip for carrying are available for the UM Series. Highly convenient to carry from room to room, patient to patient.
UM-102
Mercury-Free Sphygmomanometer

In 2005, A&D developed the world’s first hybrid* traditional style sphygmomanometer. UM-102 is the 2nd generation model in this category. Two separate versions of the UM-102 are available. We provide a standard portable model as well as a dual-use model.

*Mercury-Free + Auscultatory Measurement + Digital Display

- Auscultatory blood pressure measurement
- Digital readout for pulse rate
- Cuff holder and grip for carrying
- Durable and chemical resistant body
- Full ABS housing light weight body
- Professional cuff and 5 cuff sizes are available for use
- Adjustable display column for easier analysis of result
- Easy battery replacement
- Anti-glare display minimizes reflected light

A-type Traditional Style

B-type New Dual Use Design

A-type

Flat base for stacking multiple units

B-type

Stand-alone use

In combination with optional mobile stand

UM-201
Simple Operation Blood Pressure Monitor

Currently many home-use blood pressure monitors are used in hospitals because of their reasonable cost and simple operation. UM-201 is our optimal solution to meet the required durability at hospitals and replace blood pressure monitors designed for home-use. This easy-to-use device comes with a clear display, durable body and professional cuff.

- Durable and chemical resistant body
- Professional cuff and 3 cuff sizes are available for use
- One-touch operation
- Large LCD display
- Cuff holder and grip for carrying
- Irregular HeartBeat (IHB) indicator
UM-211 All-in-one Blood Pressure Monitor

UM-211 is designed for multipurpose use in hospitals. This model is available for dual measurement mode (auscultatory mode with use of the stethoscope and oscillometric mode).

- Dual measurement mode (Auscultatory and Oscillometric)
- Cuff holder and grip for carrying
- Durable and chemical resistant body
- Professional cuff and 5 cuff sizes are available for use
- Large LCD display with backlight
- Rechargeable battery (300 measurements at full charged)
- Adjustable inflation pressure (AUTO/220/250/280)
- Irregular HeartBeat (IHB) indicator
- Room temperature display

UM-211’s auscultatory mode is designed for daily and frequent use. Selectable deflation speed (2.5mmHg / sec. or 5.0mmHg / sec.) and quick start for auscultatory mode are features "Only from A&D".

Multiple Usages

Outpatient  Stored and charged at nurse station  Easy to carry  Measurement at ward
<table>
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<tr>
<th>Specifications</th>
<th>UM-102</th>
<th>UM-201</th>
<th>UM-211</th>
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</thead>
<tbody>
<tr>
<td><strong>Product picture</strong></td>
<td><img src="image1" alt="Image" /></td>
<td><img src="image2" alt="Image" /></td>
<td><img src="image3" alt="Image" /></td>
</tr>
<tr>
<td><strong>Measurement method</strong></td>
<td>Auscultatory measurement with stethoscope</td>
<td>Oscillometric measurement</td>
<td>Oscillometric measurement and Auscultatory measurement with stethoscope</td>
</tr>
<tr>
<td><strong>Measurement range</strong></td>
<td>Pressure: 0 - 300mmHg Pulse: 40 – 180 beats / minute</td>
<td>Pressure: 0 - 299mmHg Pulse: 40 – 180 beats / minute</td>
<td>Pressure: 0 - 299mmHg Pulse: 40-200 beats / minute</td>
</tr>
<tr>
<td><strong>Measurement accuracy</strong></td>
<td>Pressure: ±3mmHg, Pulse: ±5%</td>
<td>Pressure: ±3mmHg, Pulse: ±5%</td>
<td>Pressure: ±3mmHg, Pulse: ±5%</td>
</tr>
<tr>
<td><strong>Power supply</strong></td>
<td>2 x 1.5V Batteries (LR6 or AA)</td>
<td>4 x 1.5V Batteries (LR6 or AA)</td>
<td>AC 100V - 240V (Rechargeable Battery)</td>
</tr>
<tr>
<td><strong>Battery life</strong></td>
<td>Approx. 2,000 measurements</td>
<td>Approx. 450 measurements</td>
<td>Approx. 300 measurements</td>
</tr>
<tr>
<td><strong>Memory storage</strong></td>
<td>N / A</td>
<td>N / A</td>
<td>Last 99 measurements</td>
</tr>
<tr>
<td><strong>Operating conditions</strong></td>
<td>+10°C to 40°C / 15%RH to 85%RH/800 hPa to 1060 hPa</td>
<td>+10°C to 40°C / 15%RH to 85%RH/800 hPa to 1060 hPa</td>
<td>+5°C to 40°C / 10%RH to 85%RH/800 hPa to 1060 hPa</td>
</tr>
<tr>
<td><strong>Transport / Storage conditions</strong></td>
<td>-20°C to +60°C / 10%RH to 95%RH</td>
<td>-10°C to +60°C / 15%RH to 85%RH</td>
<td>-20°C to +60°C / 10%RH to 95%RH</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>Approx. 98&lt;W&gt; x 67&lt;H&gt; x 324&lt;D&gt; mm (A-type) Approx. 98&lt;W&gt; x 326&lt;H&gt; x 202&lt;D&gt; mm (B-type)</td>
<td>Approx.150&lt;W&gt; x 156&lt;H&gt; x 120&lt;D&gt; mm</td>
<td>Approx.120&lt;W&gt; x 200&lt;H&gt; x 140&lt;D&gt; mm</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>Approx. 520g (Unit without Battery) (A-type) Approx. 540g (Unit without Battery) (B-type)</td>
<td>Approx. 480g (Unit without Battery)</td>
<td>Approx. 550g (Unit without Battery)</td>
</tr>
<tr>
<td><strong>Standard accessories</strong></td>
<td>Adult Cuff (22-32cm), Rubber Bulb Unit, 2 x AA Battery</td>
<td>Adult Cuff (22-32cm), 4 x AA Batteries</td>
<td>Adult Cuff (22-32cm), Battery Pack, AC Adaptor, AC Cable</td>
</tr>
</tbody>
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A&D Company Limited
3-13-1 Higashi-Ikebukuro, Toshima-ku, Tokyo 170-0013 Japan
Telephone: +81(3)3979-1416 Fax: +81(3)3979-1446
Website: www.a-and.co.jp

A&D Engineering, Inc.
1760 Automation Parkway, San Jose, CA 95131 U.S.A.
Telephone: (800) 654-9069 Fax: (408) 249-1116

A&D Instruments Limited
10 Newlands Way, Aylesbury, Buckinghamshire, HP20 1BD United Kingdom
Telephone: (01296) 345678 Fax: (01296) 345678

A&D AUSTRALASIA PTY LTD.
32 Dowe Street, Blackburn, South Australia 5031 AUSTRALIA
Telephone: (03) 8331-5500 Fax: (03) 8331-5544

A&D INSTRUMENTS INDIA PRIVATE LIMITED
509 Udyog Vihar Phase V Gurgaon-122 016, Haryana, India
Telephone: (91) 124471-5555 Fax: (91) 124471-5599

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