

UK

Crafting Wellness  
SINCE 1971

## OPERATING INSTRUCTIONS

MDF® 848IC Iconica™ > Palm Aneroid Sphygmomanometer  
 MDF® 848AR Airius™ > Palm Aneroid Sphygmomanometer  
 MDF® 848XPD Bravata™ > Palm Aneroid Sphygmomanometer  
 MDF® 848XP Medic Palm® > Aneroid Sphygmomanometer  
 MDF® 808 Calibra® Pocket Aneroid Sphygmomanometer + Single Head Stethoscope  
 MDF® 808B Calibra® Pro > Double Bellow Pocket Aneroid Sphygmomanometer  
 MDF® 808M Calibra® > Pocket Aneroid Sphygmomanometer  
 MDF® 830 Mobile Aneroid Sphygmomanometer  
 MDF® 840 Desk & Wall Aneroid Sphygmomanometer

Read instructions carefully before use and save for future reference.

**General Safety:** MDF® sphygmomanometers are designed exclusively as a non-invasive method of measuring blood pressure on healthy skin of the upper arm or thigh regions only.

**Do not inflate past 300 mmHg**  
**Medical professional use only**  
**Limit use to less than 2 minutes**

**Always consult a physician**  
**Do not leave cuff inflated on arm or thigh**  
**Do not leave unattended around children**

**General Usage:** Prior to each use, make sure all parts are securely fastened and properly connected. Always use with a stethoscope for accurate and complete blood pressure measurement (stethoscope is included with MDF® 808 only).

**Cuff Placement:** Place cuff midway between shoulder and elbow with a gap of 2 to 3 cm above the elbow. Locate the brachial artery pulse with first two fingers and place cuff so the arrow of the arterial indicator  $\phi$  is directly over the brachial artery. The cuff should be at the same height as the heart.

**Cuff Inflation:** Screw valve clockwise to shut air release valve. Inflate cuff to 20-30 mm above expected systolic pressure.

**Stethoscope Placement:** Place the eartips of stethoscope into ears. The headset should be worn with the eartips pointed away from you if it is held in front of you. Place the chestpiece of the stethoscope firmly and directly over brachial artery underneath the cuff. If the pulse is heard prior to releasing the valve, inflate the cuff another 20 mmHg or until no pulse is heard.


**Measurement:** Screw valve counter-clockwise to release valve at a rate of 2-3 mmHg per second. The systolic pressure is the gauge reading at the first audible pulse. Continue with air release. The diastolic pressure is the gauge reading at the last audible pulse.

**General Cleaning & Care:** Clean soiled parts of sphygmomanometer thoroughly before each use. All parts of the sphygmomanometer and stethoscope can be cleaned with a clean cotton cloth and isopropyl alcohol solution or water with mild detergent. Do not let any liquid enter the inside of sphygmomanometer. Cuff cover can be hand washed with warm water and mild detergent. Air dry; do not machine dry.

- Never inflate past 300 mmHg
- Keep sharp objects away from cuff
- Never disassemble the sphygmomanometer
- Avoid impact or shock to the sphygmomanometer
- Always deflate cuff completely after measurement and prior to storage
- Avoid prolong exposure to excessive heat, cold, solvents, moisture, and oils
- The pointer of a calibrated gauge will rest on the zero at no pressure
- If pointer does not rest on zero, please contact the manufacturer at [MDFinstruments.com](http://MDFinstruments.com) for an authorized service center near you
- Frequently check for and remove dust from screen filter of intake valve at end of inflation bulb
- The sphygmomanometer should be stored between -20 °C and 70 °C  $-20^{\circ}\text{C}$   $70^{\circ}\text{C}$  and at a relative humidity of 85%
- The sphygmomanometer should be used at temperatures between 10 °C and 40 °C  $10^{\circ}\text{C}$   $40^{\circ}\text{C}$  and at a relative humidity of 85%

### Technical Specifications:

- Range: 0-300 mmHg
- Accuracy: +/- 3 mmHg
- This device complies with EN 1060-1:1995+A2 :2009 & EN 1060-2:1995+A1:2009

 Your device should be checked for proper calibration and performance every two years. Please contact Authorized Representative in European Community below for the service center near you. Do not attempt to calibrate or repair this device yourself.

### Maintenance and Calibration Specifications:

- The sphygmomanometer should be calibrated at temperature range of 15 °C to 25 °C and a relative humidity range of 20% to 85%.
- The sphygmomanometer should not leak air in excess of 4 mmHg/min (0.5kPa/min) when the valve is closed.
- The maximum error of the measurement of the cuff pressure at any point of the scale range should be within  $\pm 3$  mmHg ( $\pm 0.4$  kPa).

**Our commitment to high-quality instruments is backed by a three-year warranty on the cuff, bladder, and bulb, and lifetime calibration warranty on the gauge.**

### SYMBOL DEFINITION:

 Batch Code	 Latex-free Device	 Caution, Consult Accompanying Documents
 Arterial Indicator	 Temperature Limitation	 Authorized Representative in the European Community
 Date of Manufacture	 Conforms to European Standard	 Registered Trademark of Medifriend and MDF® Instruments USA

MANUFACTURER  
 MDF Instruments Medifriend Inc.  
 3F Building 6, 1898 Lai Yin Road Jiu Ting Town, Song  
 Jiang District Shanghai 201615 PRC  
 e: [info@MDFinstruments.com](mailto:info@MDFinstruments.com)

CE  
0197

AUTHORIZED REPRESENTATIVE IN EUROPEAN COMMUNITY  
 Medical Technology PromedT Consulting GmbH  
 Altenhofstrasse 80, 66386 St. Ingbert, Germany  
 e: [info@mt-procons.com](mailto:info@mt-procons.com)



Distributed by:  
**MDFinstruments.com**  
 MDF® Instruments USA, Inc. 31416 Agoura Road, Suite 180, Westlake Village, CA 91361 USA  
 MDF® Instruments Direct, Inc. 31416 Agoura Road, Suite 180, Westlake Village, CA 91361 USA