

# Elemano™

## Demonstration Guide



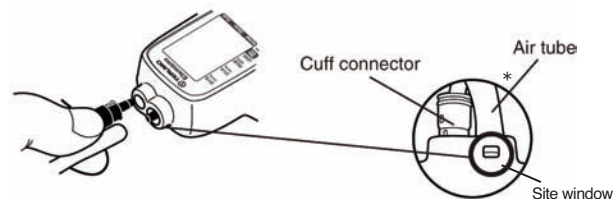
Technical Service Hotline:  
**866-301-8723**  
[www.elemano.com](http://www.elemano.com)



## Demonstration Guide

### 1

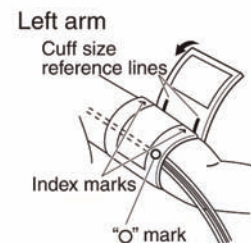
#### Check the unit



- ✓ Battery is in properly
- ✓ Tubing is inserted all the way in\*
- ✓ Inflation bulb is screwed in properly

### 2

#### Wrap the cuff on a human arm



- ✓ Choose the right cuff size
- ✓ Place the “O” mark above the artery

### 3

#### Power on and pressure manually



- ✓ Pressurize up to 30-40 mmHg above the expected systolic pressure
- Reading display numbers modify after squeezing bulb 3 – 4 times.

### 4

#### Stop inflation and measurement starts automatically



- \* If you get LOW sign, do NOT clear the monitor and pressurize again to higher number

### 5

#### Results will show up within 30 seconds (Normal mode)

## Common Obstacles

- Someone tells you “My BP is usually not this high. This device is not accurate.”

Possible factors: The person is standing/had coffee/was walking around the office and did not have time to rest before the measurement (Refer to 14-17 AHA Guidelines)

- People start pumping the device when the cuff is not on a human arm and get an error message

“Err 3” or “LOW” indications will appear on the panel in such cases, since the device is not detecting any pulse. Tell them to wrap the cuff on a human arm and inflate again so that they can get readings.

## TIPS

- You can pressurize the Elemano with the last read or error indicator on the display panel
- You will need to pump up the bulb several times before the number starts increasing

## Key points to sell Elemano

### Top 3 key points

- Proven consistency and accuracy ( $\pm 3$  mmHg) to help **standardize measurements in a facility**
- Simultaneous measurement of BP and pulse, completed within **30 seconds** without the need for auscultation, to keep patient flow moving
- Use like a traditional blood pressure cuff, making adoption simple even with new staff members

### Other key points

- Surrounding noises do not affect readings
- No calibration necessary
- No need for multiple measurements
- Weighs less than 1lb—great portability
- Slow mode modifies the depressurization to catch a weak pulse

## Functions

### Mode button

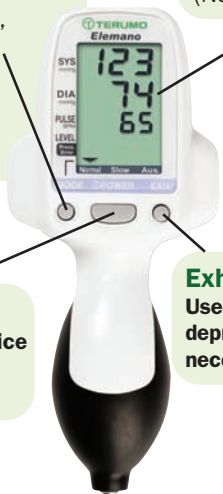
For measurement mode selection

- Normal → Routine: normal BP
- Slow → Hypotension & weak pulse
- Aus. → Irregular heartbeat, auscultation

For turning off/on the beep

- Press the button for 2 seconds to turn off/on the beep

Systolic, Diastolic, and Pulse display  
30 seconds read-out  
(Normal mode)



### Exhaust button

Use when immediate depressurization is necessary (for emergency)

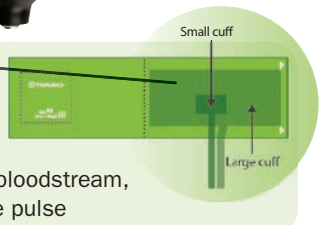
### Power button

For turning on/off the device

- Automatically shuts off after 3 idle minutes

### Double cuff technology

- Accuracy:  $\pm 3$  mmHg, Tested against mercury
- White paper available
- The Large cuff is to stop the bloodstream, the Small cuff is to detect the pulse



## Same-arm measurement

Same-arm measurement is useful when a healthcare worker wants to compare the readings.

During automatic measurement (normal or slow mode), with a stethoscope, perform auscultation measurement while watching Elemano pressure value simultaneously

- For automatic measurement, pressurize with the inflation bulb after applying with stethoscope
- During depressurization (during measuring), auscultate and watch the pressure value. Read systolic and diastolic blood pressure
- Compare the automatically measured value and the auscultation measured blood pressure value



**\*Elemano takes out any human errors that may occur during auscultation.**

## FAQ

1. I got “LOW” sign during measurement, what do I do?



“LOW” sign shows up when pressurization is not enough. **If you get the “LOW” sign, keep pumping to higher number.** It is recommended to pressurize 30 – 40 mmHg higher than expected systolic. Make sure tubes are connected properly using site window.

2. What is the valve on the Large size cuff tubing?



The exhaust valve on the large cuff tubing is there to help exhaust the cuff **after you get the reading.** Do not use the valve after you have inflated the cuff as the monitor automatically is exhausting.

3. The display panel is flashing. What does this mean?

The Elemano™ display panel flashes to warn abnormal conditions such as irregular beats or weak pulse. If this happens, perform the measurement in the Auscultation mode using a stethoscope to verify the condition.

## FAQ (cont'd)

4. Why Elemano does not have automatic inflation?

Manual pressurization allows the healthcare worker to adjust pressurization depending on the patients' conditions. Also the running cost and durability are factors.

5. I can't inflate the unit with the bulb, why is that?

Elemano may have a clogged air filter in inflation bulb or there may be deterioration in the bulb. In case of a clogged air filter, it needs to be cleaned (refer to the Instructions Manual, page E-18). If the inflation bulb has deteriorated, replace it with a new bulb.

6. Can Elemano be used on babies?

The SS size cuff (arm circumference: 13–20 cm) is applicable to 3 to 10 years of age.

7. What happens if I use too big or too small of a cuff?

If a smaller size cuff is used, there may be a higher reading than using an appropriate size cuff because a smaller cuff may not be able to stop bloodstream for an adequate period of time. If a larger size cuff is used, the results may fluctuate because there is more air in the air bag and it could dim the pulse wave.

## Troubleshooting

Errors	Symptoms	Measures
Err 1, Err 2, Err 5	Out of order	Contact Terumo technical service
Err 3	The cuff connector, the air tube and/or the inflation bulb are incorrectly connected to the main body	Check the connection between the main body and the cuff/inflation bulb
	The cuff is not applied properly	Reapply the cuff around the patient's arm
	The air tube is not connected	Check the connection between the main body and the cuff
	The patient moved during measurement	Measure again while keeping the patient at rest with the arm rested on a firm surface
Err 4	The main body was shaken or vibrated during measurement	Do not shake or vibrate the main body during measurement
	Abnormal blood pressure/pulse was detected	Use Auscultation or palpation for measurement
	The cuff is not applied properly	Reapply the cuff around the patient's arm
	The patient moved during measurement	Measure again while keeping the patient at rest with the arm rested on a firm surface
Err 4	The main body was shaken or vibrated during measurement	Do not shake or vibrate the main body during measurement

Please refer to the Instructions Manual for detailed troubleshooting information.