

Product Overview and Principle of Operation

LiveMetric's LM1P wristband blood pressure monitor – LiveOne is intended to measure systolic and diastolic blood pressure (BP) and heart rate (HR) in a non-invasive manner. The product is intended for placement on patient's wrist by a trained medical professional such as a physician, a nurse or a paramedic. The LM1P contains a Bluetooth 4.0 radio operating in 2402-2480 MHz.

LiveMetric's LM1P is ready to operate and provide accurate measurements only after patient has rested for at least 5 minutes. The device is placed on the wrist, ensuring that sensors are placed as close as possible to the radial artery. The strap is stretched to ensure light pressure, yet, not painful to patient. After placement is completed and the sensors can measure the radial artery pulse, Bluetooth based pairing is initiated. Measurements commence immediately, values of the systolic, diastolic blood pressure and heart rate appear on the application screen.

Product Description

The LiveOne is a non-invasive blood pressure monitor that utilizes a single patient use non-invasive pressure sensor placed on the wrist over the radial artery, and an electronic interface module. The device uses proprietary algorithms to analyze the radial artery pressure and display diastolic, systolic, and mean blood pressure, pulse rate and a pressure waveform. The device allows 3 modes of operation:

Single Mode Rx – This mode of operation is intended for prescribed patients only, it provides only systolic, diastolic and heartrate values on the screen

ABPM Mode – This mode of operation enables healthcare providers to configure parameters such as time, frequency and timeout of monitoring blood pressure in a clinical setting.

Single Mode HCP – This mode of operation enables the healthcare provider to monitor blood pressure (based on visual waveform) in a clinical setting without predefined parameters.