# SA-10 Ambulatory Blood Pressure

Version 1.

# **Technical Specifications**

# **Physical Specifications**

#### **Method of measurement**

Oscillometric

#### Static pressure range

0 to 300 mmHg (0 to 40 kPa), ±3 mmHg (±0.4 kPa)

#### Measurement pressure range

Systolic: 25 to 290 mmHg (3.3 to 38.6 kPa) Diastolic: 10 to 250 mmHg (1.3 to 33.2 kPa) Mean error: ±5 mmHg (±0.67 kPa) Standard deviation: Max. 8 mmHg (1.07 kPa)

#### **Pulse range**

40 to 240 bpm, accurate within  $\pm 3$  bpm or  $\pm 3.5\%$ , whichever is greater

#### Resolution

Blood pressure: 1 mmHg (0.133kPa) Pulse: 1 bpm

#### **Over-pressure protection**

The cuff will be deflated when the measurement pressure reaches  $297 \pm 3$ mmHg ( $39.6 \pm 0.4$  kPa)

#### Data memory

Flash memory stores up to 600 readings.

#### **Sampling duration**

24 hours (Time interval options are: 5, 10, 15, 20, 30, 45, 60, 90, 120 minutes)

#### Safety system

Maximum inflation pressure limited to 300 mmHg; Maximum measurement time limited to 120 seconds

### **Bluetooth (configurable)**

**Transmitting Frequency** 2400 MHz to 2483.5 MHz

## **Modulation Type**

GFSK, DPSK, PSK

≤ 2MHz Transmitting Power ≤ 20 dBM (EIRP)

**Frequency Band** 



