

Tango Mobile Datasheet

Wireless BP for Motion and Non-Motion Clinical Settings

Measurement	Auscultatory, using R-wave gating and k-sound analysis, during all static and active phases of measurement. Systolic pressures correlate to a K-1 Korotkoff sound. Diastolic pressures correlate to K-5 Korotkoff sound. The device is designed to function in the presence of a normal ECG sinus rhythm. There are some physical conditions (i.e., Bundle Branch Block, Arrhythmias, Atrial Fibrillation, Ventricular Fibrillation, Pacemakers, etc.) that may limit the ability of Tango Mobile to obtain an accurate reading.
Range	<ul style="list-style-type: none">• Pressure (DKA Mode): Diastolic: 20-160 mmHg / Systolic: 40-270 mmHg• Pressure (OSC Mode): Diastolic: 20-160 mmHg / Systolic: 40-260 mmHg• Heart Rate: 40-200 BPM (beats per minute)
Accuracy	Meets or exceeds ANSI/AAMI/ISO 81060-2:2013 standard for non-invasive accuracy (± 5 mmHg mean error with 8mmHg standard deviation).
Conditions for Use	<p>Operating: 10°C (50°F) to 40°C (104°F) 15 – 90% RH non-condensing - 70 kPa - 106 kPa.</p> <p>Operating the device in an environment at maximum temperature can produce temperatures exceeding 41°C (41.6°C highest recorded) on a patient applied part. It is up to the operator to determine if this temperature is too high based upon the condition of a patient and, if so, to ensure the ambient temperature of the environment is 38°C or below.</p> <p>Storage: -20°C (-4°F) to 65°C (149°F) 15 – 90% RH non-condensing - 50 kPa - 106 kPa.</p> <p>Performance can be affected if, used or stored outside the specified temperature, humidity, or altitude listed in the ranges above.</p>
Power	<p>Supplied SunTech Li-Ion battery pack PN: 97-0242-00</p> <p>Output: 2.6Ah/18.72Wh, DC7.2V</p>
Calibration	The accuracy of cuff - pressure transducers/indicators should be verified annually.
Safety Systems	Independent hardware over-pressure circuit and redundant software overpressure algorithm to limit cuff pressure to less than 300 mmHg (+20/-10mmHg). Independent hardware timing circuit and redundant software timer algorithm to limit the duration of a blood pressure cycle to less than 180 seconds.
Dimensions	<p>Weight: 1.3 lbs / 0.6 kg</p> <p>Size: 140 mm long x 98 mm High x 47 mm Wide</p> <p>5.5 inches long x 3.9 inches High x 1.8 inches Wide</p>