

# Motion-Tolerant BP Monitor for Stress Testing



*Tango*  
Hands Free Stress BP™

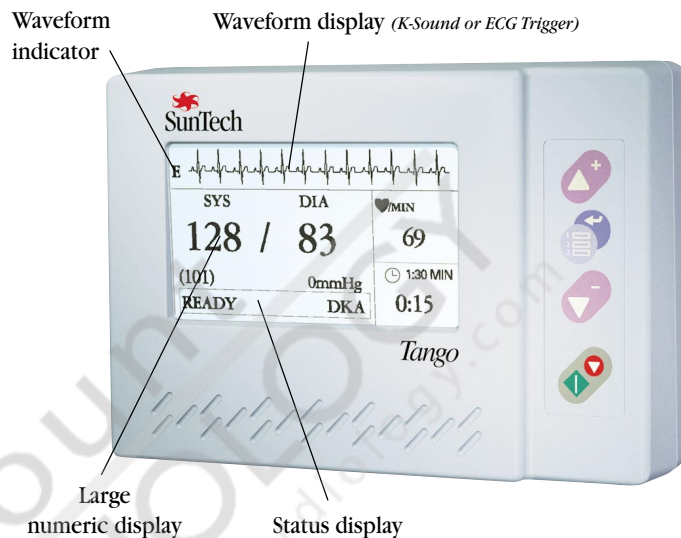
 SunTech Medical Instruments

# Tango – “Hands Free Stress BP”™

The *Tango* exercise BP Monitor is designed to *automatically* measure and display a patient’s systolic and diastolic BP along with heart rate during a treadmill, ergometer or pharmacological stress test. *Tango* excels by making use of SunTech’s proprietary Dimensional K-Sound Analysis (DKA). DKA was developed as a result of SunTech’s pioneering work in 24-Hour Ambulatory Blood Pressure Monitoring. With *Tango* you have the freedom to focus on your patient’s performance instead of taking manual BP readings.

## Features

- **3D K-Sound Analysis (DKA)**  
Korotkoff sounds are distinguished from artifact noise so that systolic and diastolic pressures may be measured accurately.
- **Hands Free with RS232 Interface capability to most ECG systems**  
ECG stress system initiates BP readings and automatically records BP data on ECG strip chart.
- **Real Time Wave Form Display**  
Visually confirm the BP readings and signal quality at any time.
- **Realtime Display**  
Displays current monitor status and help messages.
- **Historical Tabular Data**  
Stores multiple studies for data retrieval.
- **BP Readings initiated automatically or manually**  
Concentrate on the patient’s performance during the study.



## Options

- Internal ECG
- Rail/pole clamp
- Languages

## Specifications

**Technique:** Primary - SunTech 3-Dimensional K-sound Analysis for stress test measurements.

**Interfaces:** ECG and RS232 interface for most ECG stress test systems.

**R-Wave source:** Primary - digital/analog signal from external ECG source. Secondary - the optional Tango patient cable with V2, V6, Ground configuration.

**Measurement range:** Systolic: 10-300mmHg  
Diastolic: 10-300mmHg  
Heart rate: 0-240 BPM

**Accuracy:** Blood Pressure Measurements determined with this device are equivalent to those obtained by a trained observer using the cuff/stethoscope auscultation method, within the limits prescribed by the American National Standard, *Electronic or automated sphygmomanometers*.

**Sampling intervals:** On command from ECG stress test system, manual or automatic sample periods from 1 minute to 60 minute intervals.

**Alarms:** Onscreen message and audio alarm tone for user defined ranges.

**Power:** SunTech external supply, + 9VDC output @ 2 Amps.

**Dimensions:** Size: 22.8 cm x 15.9 cm x 9.7 cm  
(9.0" x 6.3" x 4.1")  
Weight: 1.2 kg (42.6oz)

**Standards:** EN 60601-1, UL 2601, CAN/CSA-C22.2No.601.1  
Cleared by the FDA by 510K process.



Specifications subject to change without notice.

Refer to the *Tango* operator’s manual for complete description, instructions, warnings, cautions and specifications.

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