

Tango Mobile

- ✓ Accurate insight
- ✓ Real movement
- ✓ One synchronized system



Wireless Motion-Tolerant BP & ECG Telemetry System

For Exercise Stress, Rehabilitation, and Mobile Clinical Monitoring
Real-time hemodynamic and ECG insight during patient movement.



Wearable Design

Compact, secure,
body-worn



Motion-Tolerant BP

ECG-gated and
oscillometric
wireless BP module



ECG Telemetry

NR-1207-3
12-lead wireless ECG



SpO₂ Monitoring

SpO₂ for combined
cardiopulmonary
assessment



Integrated Display

BP, HR, SpO₂
in real time

Tango Mobile is Norav's wearable cardiopulmonary monitoring solution engineered to maintain accuracy where traditional BP and ECG systems fail – during walking, cycling, treadmill protocols, 6 Minute Walk, Shuttle Walk Tests, & cardiopulmonary rehabilitation.

Clinicians need accurate physiological insight during patient physical activity, not only at rest. Tango Mobile delivers this through a synchronized, wearable system that provides reliable BP, ECG, and SpO₂ as activity levels change - enabling.

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Cardiopulmonary Monitoring in Motion

Engineered for Accuracy in Motion-Based Care

Tango Mobile delivers synchronized BP, HR, and SpO₂ during physical activity – enabling clinicians to evaluate mechanical and electrical cardiac performance under real physiological load. Designed for rehabilitation centers, stress labs, research settings, and EMS workflows, the system ensures reliable signal quality even in dynamic environments.

System Overview

Motion-Tolerant Blood Pressure



- ✓ ECG-gated auscultatory measurement ensures accuracy during movement
- ✓ Oscillometric mode for standard resting conditions
- ✓ Wide clinical ranges: SBP 40–270, DBP 20–160, HR 40–200
- ✓ Meets ANSI/AAMI/ISO 81060-2:2013 standards
- ✓ Proven performance during treadmill, cycling, walking & 6MWT

Integrated SpO₂ (Pulse Oximetry)



- ✓ Continuous saturation monitoring during exercise and transport
- ✓ Complements BP + ECG for full cardiopulmonary assessment
- ✓ Essential in pulmonary rehab, dyspnea evaluation & EMS workflows
- ✓ Immediate detection of desaturation trends during activity
- ✓ Enhances safety for high-risk rehabilitating patients

12-Lead Wireless ECG Telemetry (NR-1207-3)



- ✓ Continuous diagnostic-quality ECG during activity
- ✓ Arrhythmia and ST-segment monitoring under load
- ✓ Advanced motion-artifact reduction for clear waveforms
- ✓ Reliable skin contact and stable transmission during movement
- ✓ Supports both indoor and outdoor rehabilitation workflows
- ✓ Supports 3,6 and 12-lead ECG configurations

Wireless Motion-Tolerant BP

Wireless ECG Motion-Tolerant Telemetry

SpO₂ Monitoring



A unified wearable system that reveals the heart's mechanical + electrical response during movement – a capability traditional monitoring cannot provide.

Key Features & Clinical Advantages

Tango Mobile delivers clinically reliable BP, HR, SpO₂, and 12-lead ECG during real patient movement – enabling safe progression, accurate assessment, and confident decision-making across rehabilitation, stress-testing, and mobile care environments. Designed for motion, the system maintains data integrity where traditional monitors lose accuracy, ensuring full cardiopulmonary insight at every stage of activity.



Reliable BP + ECG + SpO₂ During Motion

- ECG-gated BP delivers accuracy where oscillometric readings fail
- Continuous 12-lead ECG maintains diagnostic clarity while exercising
- SpO₂ adds respiratory information



High-Fidelity Signals Under Dynamic Conditions

- Noise filtering and motion-artifact reduction
- Stable wearable sensors reduce disconnections
- Suitable for indoor and outdoor exercise.



Unified Software Ecosystem

- NM-700 Central Station for rehabilitation monitoring
- Stress ECG system support for clinical protocols
- Mobile ECG integration for EMS and remote workflows



Wearable, Patient-Centered Design

- Compact, lightweight, secure
- Enables natural movement without limiting activity
- Ideal for elderly, cardiopulmonary, and research populations

Clinical Pathways – Who Benefits From Tango Mobile

Tango Mobile supports a broad range of movement-based clinical environments, delivering synchronized BP, HR, and SpO₂ data that enhances assessment, safety, and progression across multiple disciplines.

Cardiac Rehabilitation

Empowering safe progression with continuous hemodynamic insight.

A complete hemodynamic and ECG view during walking, cycling. Tango Mobile helps therapists observe exertional response, guide intensity levels, and monitor progression throughout supervised exercise programs.



Pulmonary Rehabilitation

Supporting personalized pacing with integrated cardiopulmonary trends.

Continuous BP, ECG, SpO₂ monitoring during exercise, Shuttle Walk & 6 Minute Walking tests. The system provides clear cardiopulmonary insight that supports safer pacing and individualized therapy plans.



Stress ECG Testing

Enhancing diagnostic value with accurate, motion-ready measurement.

Accurate motion-ready BP combined with diagnostic-quality ECG throughout exercise protocols, including treadmill and bicycle. Tango Mobile captures synchronized values at key stages to enhance clinical interpretation.



Sports Medicine & Exercise Science Research

Delivering high-quality physiological data during real-world activity.

High-fidelity physiological data collected during exercise — indoors or outdoors. Ideal for performance evaluations, kinetic studies, and applied research requiring uninterrupted BP, ECG, and SpO₂ monitoring.

