

Bertec® Portable Essential System Specifications

System Part Number: 97P-0002

Software Specifications

System Software	Bertec Balance Advantage
License Key Denoted	ESNL
Protocols Included	Modified Clinical Test of Sensory Interaction on Balance (mCTSIB) Limits of Stability (LOS) Rhythmic Weight Shift (RWS) Unilateral Stance (US) Weight Bearing Squat (WBS)
Training Included	Quick Training Mobility Closed Chain Weight Shifting Seated Training
Features	Normative data Real-time Biofeedback Report generation for protocols and training Patient Database - Patented and HIPAA compliant Database Merge and Sync across all Balance Advantage products
Options	COBALT protocol Bertec Vision Advantage option Extended Warranty

Main Hardware Components

Item	Product Image	Bertec Part Number	Dimensions (mm)	Features
Essential System Balance Plate		BP5046 Dual	500 x 460 x 38	- Low profile step height - Portable - Auto-Calibrated - Adjustable foot for stability
System Laptop		37P-0012	363 x 254 x 20	- 15" FHD touch screen, 1920 x 1080 p - Intel Core Processor - 8 GB RAM - Solid State Drive - Windows 10 Pro - RoHS Compliant
Wireless Remote		37P-0029	160 x 38 x 27	- Programmed specifically for Essential System *type must be specified - USB receiver - Battery operated
USB A-B Cable		30S-0825	3050	- 10 feet (3050 mm) long - Connects balance plate to USB port on laptop - RoHS Compliant
Standard Foam Pad		97P-0076	457 x 508 x 102	- Foam pad with slip-resistant cover - Foot markings to standardize standing position for patients of different heights

Accessories

Item	Bertec Part Number
Hygienic Foot Covers – 100 Count	97P-0079
Soft Carry Case	97P-0082
Portable Laptop Stand	37P-0065

Balance Plate Technical Specifications

Average Sensitivity (Fz, Vertical Force)	0.02 kg
Average COP Accuracy (COPx and COPy)	± 0.25 mm
Data Output Method	Digital
Data Output Rate	1000 Hz
Connection Port	USB B
Bilateral Balance Plate COP	Measures each subject foot independently
Weight	13 lbs (6 kg)
Step Height	1.5 in (38 mm)
Dimensions	18 x 20 x 1.5 in (500 x 460 x 38 mm)
Maximum Patient Weight	500 lbs (227 kg)
Maximum Patient Height	None

Operating Environment

These systems are suitable for use in the patient environment.

Temperature: +15° C to +35° C (+59° F to +95° F)

Rel. Humidity: 30 to 90%, non-condensing

Air Pressure: 600 hPa to 1060 hPa

Operations at temperatures below -20° C (-4° F) or above +60° C (+140° F) may cause damage

Operating Mode

Warm-up time: <5 minutes

Mode of Operation: Continuous

Storage and Handling

Temperature: -20° C (-4° F) to +60° C (+140° F)

Rel. Humidity: <90%, non-condensing

Air Pressure: 500 hPa to 1060 hPa

Standards

Safety: IEC 60601-1, Class I, Type BF, IPXO

System: IEC 60601-1

EMC: IEC 60601-1-2

Shipping Information

Package Quantity: 1 Box

Package Dimensions (L x W x H): 24 x 25 x 13 in (61 x 63.5 x 33 cm)

Shipped Weight: 33 lbs (15 kg)

Installation Information

Laptop to Patient Distance: Minimum 2 ft (0.6 m)

Space Requirements: Minimum 5 x 6 ft (1.5 x 1.8 m)

Patient should be standing or seated according to the assessment or training performed. Laptop should be in line with patient's eyesight on a table or laptop stand.

User Manual provided (translated)

Quick Start Guide provided (English)

Training Videos available for purchase (English)