

# Plantar Pressure Balance Tester Operation & Maintenance Guide

## I. Operation Procedure

### 1. Setup

- Secure computer to trolley with screws
- Connect power adapter to AC 220V outlet
- Plug pressure platform USB into computer (Ports: A for static, B for dynamic)

### 2. Software Operation

- Launch software via desktop icon
- Login using credentials (Default: admin/admin)
- Create patient profile: Enter name, mobile, height (mandatory)

### 3. Static Measurement

- Patient stands naturally on Platform A/C
- Click [Start Measurement] → [End Measurement] after test
- Export PDF report (Foot arch index, pressure distribution)

### 4. Dynamic Measurement

- Patient walks on Platform B following footprint guides
- Click [Start Measurement] during walking cycle
- Export PDF report (Gait time, step length, pressure ratios)

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## II. Maintenance Protocol

### 1. Daily Cleaning

- Wipe surfaces with sterile water cloth (1-3 passes)
- Disinfect with 75% alcohol cloth (1-3 passes, 3min contact)
- Frequency: 2x/day

### 2. Annual Maintenance

- Manufacturer-performed sensor calibration
- Functional/safety inspection by authorized technicians
- Required tools: PhlexSensorPro software

### 3. Troubleshooting

Issue	Solution
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Device offline	Reconnect USB securely
No pressure data	Verify platform-mode match (Static=A/C, Dynamic=B)
Computer won't power	Check power connection

#### 4. Repair Rules

- Adapter/sensor replacement: Manufacturer only
- Warranty void if:
  - Unauthorized modifications
  - Physical damage/lack of maintenance
  - Warranty seal broken

#### III. Critical Safety Notes

- Contraindications: Severe cardiopulmonary disease, unhealed leg fractures
- Precautions:
  - Use disposable foot film for hygiene
  - No liquids on device surfaces
  - Avoid RF interference (keep phones >1.2m away)
  - Always exit software before shutdown

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