

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)

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 |
|----------------------|--|
| --- | --- |
| 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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