



PanAssure



PanAssure is a high-precision, reference-class electrometer developed for absolute dose calibration and routine quality assurance in all types of medical radiotherapy machines. Conforming to IEC 60731 standards and calibrated per IAEA TRS 398 protocol, PanAssure is engineered to interface seamlessly with all reference-class ionization chambers.

It delivers accurate and traceable dose measurements in water and air, with results expressed in cGy and dose rates. Built with both measurement fidelity and operational simplicity. It delivers precise current-to-dose conversion with minimal setup

Key Features:

- Automated 3D scanning for comprehensive beam data acquisition
- High precision motion control with sub-millimeter positioning accuracy
- Integrated detector compatibility for photon and electron measurements
- Wireless / software-driven operation for simplified workflow
- Real-time scan monitoring and data visualization
- Optimized for commissioning, acceptance testing and routine QA

Technical Specifications

- Scanning Range: $\sim 500 \times 500 \times 400$ mm (Typical)
- Position Repeatability: ± 0.1 mm
- Scanning Speed: Up to 25 mm/sec
- Minimum Step Size: 0.01 mm
- Detector Compatibility: Ion Chambers (Photon & Electron)
- Water Tank Material: PMMA / Acrylic
- Water Capacity: $\sim 180 - 220$ Litres
- Operation: Software / Wireless Enabled

Why Choose PanAssure?

- Faster setup and zero battery hassle
- High-end software with real-time analysis and full correction integration