

Long term reputation in the medical industry.

Assurance we will offer competitive pricing.

Customer service #1 priority.

One Stop.

LACO Inc.

can do it all!



Daily QA 3 Hardware

Daily QA 3 has 25 detectors and uses both ion chambers and diode detectors to optimize measurement results:

- * Twelve diodes with an active detection area of only 0.64 mm² measure light: Radiation field coincidence for a 20 x 20 cm file at 100 cm SSD
- * Five 0.6 cm³ ion chambers measure output, flatness, axial symmetry, and transverse symmetry. All chambers are vented, and temperature pressure is automatically measured by the instrument and applied to the readings.
- * Four ion chambers with inherent buildup measure electron energy. Each chamber has a different amount of attenuation built into the top plate. No flipping or additional buildup is required.
- * Four ion chambers measure photon energy. Uniquely “curved” ion chambers were chosen for this test to minimize beam edge measurement area. Streamline energy measurement does not require changing buildup between energies or flipping the device.

Easy Setup

Daily QA 3 is quickly setup using the lasers and accelerator crosshairs. The user simply connects a single cable to the Daily QA 3 which carries both power and data to and from the control room.

Daily QA 3 is also compatible with the Isocentric Mounting Fixture (IMF). The IMF can be used to easily slide the Daily QA 3 into the LINAC accessory tray holder. The IMF holds the Daily QA 3 at 100 cm SDD and rotational measurements are possible at any gantry angle while keeping the Daily QA 3 securely fixed at isocenter.



DAILY QA 3

Daily QA Accelerated

Daily QA 3™: an advanced tool for daily quality assurance of a radiation therapy beam.

Daily QA 3 Software

The instrument operates with Windows application software which runs on the user's computer. Data collected and the results are stored in an advanced user-editable database for real-time trending and is accessible via the network. Daily use is extremely simple, yet sophisticated analysis options are available with the click of a mouse.



Customized User Interface

Daily QA 3 software allows the Physicist to define their own unique QA requirements. The highly versatile system results in a “scheme tree”, which is a list of machines and tests scheduled for the selected date. Once the scheme tree is setup in the software, daily measurements are automated and involve 3 simple steps.

Accepting Results

At the end of each measurement a status bar will turn either green or red indicating if the test passed or failed.

Trend Analysis Database

The database provides a graphical presentation of measured and calculated data for each template as a function of time. Graphing the parameters gives the user a means to visualize trends emerging in the beam output.

Reports

Daily QA 3 reports can span any defined time-frame and are suitable for presentation.