

Daily Beam Quality Analysis in One Measurement





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Daily QA<sup>™</sup> 3 sets the standard for efficient and powerful routine QA. A single beam measurement results in five beam quality checks. Accepted data is automatically written to a SQL database in real time, where it is available for trending, review and analysis.

#### Features & Benefits

- Five beam quality checks
  - Output, flatness, symmetry, field size, energy
- Supports rotational and FFF beams
- Shape constancy and field size shift for FFF beams
- No flipping or additional buildup required for any test or energy
- Wireless Option rf-Daily QA™3
  - Cable-free, wireless
  - Keeps cables off treatment room floor for enhanced safety
  - Uses rf connection for reliability
- 13 ion chambers measure output, flatness, symmetry, energy

- 12 SunPoint<sup>®</sup> Diode Detectors measure lightradiation field coincidence
- Automatic temperature and pressure corrections
- Integrated buildup; no additional buildup required
- Daily test queue two-step operation 'Start' to begin queue, and 'Record' to accept
- Real-time measurements view data instantly
- Use different Daily QA 3 devices for a template without creating a new baseline
- Export PDF reports
- Interfaces with the IMF<sup>™</sup> or GMF<sup>™</sup>
- MR version (DailyQA-MR) available
- SQL database for added security and access control

## **Daily QA 3 Software**

After a measurement is accepted, all collected data is saved for analysis and reporting. Recording data will also initiate the next test. Users can conduct a new test, scheduled or unscheduled, at any time and data is saved in the database.





Daily QA 3 software provides a graphical presentation of data for each template. Users have the option to choose which data parameters to view and over what period to view them. A single measurement instance can be examined by clicking on a data point which corresponds to a particular measurement.

#### **INTEGRATION**

### Integration with the SunCHECK<sup>™</sup> Platform

The SunCHECK Platform has direct device connectivity and control to Daily QA 3 supporting out-of-the-box coverage of all your TG-142 Daily QA needs.

#### **Smarter Daily QA**

TG-142 pre-set templates streamline Daily QA. Simply connect your Daily QA 3 device for automated data collection – no transfer of information needed! Templates are provided by modality and can be easily customized to fit your needs.

Device: DQA3						
Daily QA™ 3: 81458199	Dosimetry - I	Daily QA 3 Checks (DQA3)				
Daily GA 3 Chesks (D GA3)	📀 6 MV		e 9	>		
© 6.MV © 15.MV	Setup	Activate GA task				
Ø 6 MeV		Result				
12 Me//	100	PARAMETER	MEASUREMENT	EXPECTED	DETERINCE TOLISANCE	
Mechanical 🔻	Dose Rate (MUIII)					
<ul> <li>Laser localization</li> </ul>	600	🔮 Output/Dose (cGy) 🖬	100.27	100.00	0.27	100.27
<ul> <li>Optical distance indicator (ODI) at isocenter</li> </ul>	Dateline Dose (cOy) 100	🥑 Axial Symmetry (%) 🖬	-0.52	-0.52	0.00	-0.52
<ul> <li>Collimator size indicator</li> </ul>	Delivered Doos (cOy)	😋 Trans Symmetry (%) 🖼	0.04	-0.14	0.18	0.04
<ul> <li>Safety •</li> </ul>	100	-				
Safety Checks	Beam Off Delay (s	Flatness (+-%) III	1.34	1.46	-0.12	134
🛇 Wedge 💌	SSD (cm)	😋 Energy (%) 🖬	-1.12	0.00	-1.12	-1.12
<ul> <li>Morning check out run for one angle</li> </ul>	100	🔿 X Size (cm) 🖼	20.22	20.23	-0.01	2122
MLC *	Collimator X (cm) 20		LULL			
Qualitative Test of MLC	Collinator Y (cm)	Y Size (cm) III	20.15	20.15	0.00	20.15
<ul> <li>MV Imager</li> </ul>	20	X Shift (cm) 🖬	0.02	0.02	0.00	0.02
<ul> <li>Collision interlocks - Planar</li> <li>MV imager</li> </ul>	Wedge Orientation	Y Shift (cm) 🖬	-0.02	-0.02	0.00	-0.02
<ul> <li>Positioninghepositioning - Planar My imager</li> </ul>	DQA3 Crientation T boward gu *	State (ciri) and	10,02	-0.02	0.00	-0.02
imaging and treatment     coordinate coincidence     (sincle gardy angle) - Planar	Array Normalization 6 MV •					

# **Specifications**

Field Size Diodes (12) Beam Parameter Chambers (4) Rain Qui 20 Power/Data Input Status Indicators Field Size Diodes (12) Electron Energy Chambers (4) CAX Chamber (1) Photon Energy Chambers (4) Wireless Option

Detector Type:	SunPoint® Diode Detectors Vented Ion Chambers		
Detector Spacing: (mm)	Diodes: 5.0		
Chamber Active Volume: (cm <sup>3</sup> )	Electron: 0.6 Photon: 0.3		
Field Size: (cm)	20 x 20		
Inherent Buildup: (g/cm²)	Chambers: 1.0 ± 0.1		
Inherent Backscatter: (cm)	2.3		
Electron Energy Attenuation:	Air, Cu, Al, Fe		
Radiation Measured:	Electrons, 4 MeV to 25 MeV Photons, Co-60 to 25 MV		
Rf Frequency (rf-Daily QA 3): (GHz)	2.400 to 2.485		
Operating System:	Windows 10 Professional		
Dimensions: L/W/H (cm)	40.8 x 25.6 x 4.6		
Weight: (kg)	5.7		
Number Of Connection Cables:	Single power / data cable		

#### **Optional Accessory**

Use the IMF to position the Daily  $QA^{M}$  3 or rf-Daily  $QA^{M}$  3 at isocenter and measure at any gantry angle.

