

WaterProof PROFILER™

Drastically Cut Your QA Time

The Sun Nuclear WaterProof PROFILER is a linear detector array used in place of a single detector for QA measurements. WaterProof PROFILER works in air or in water and drastically reduces the time required to collect high quality beam profile data for any beam type.

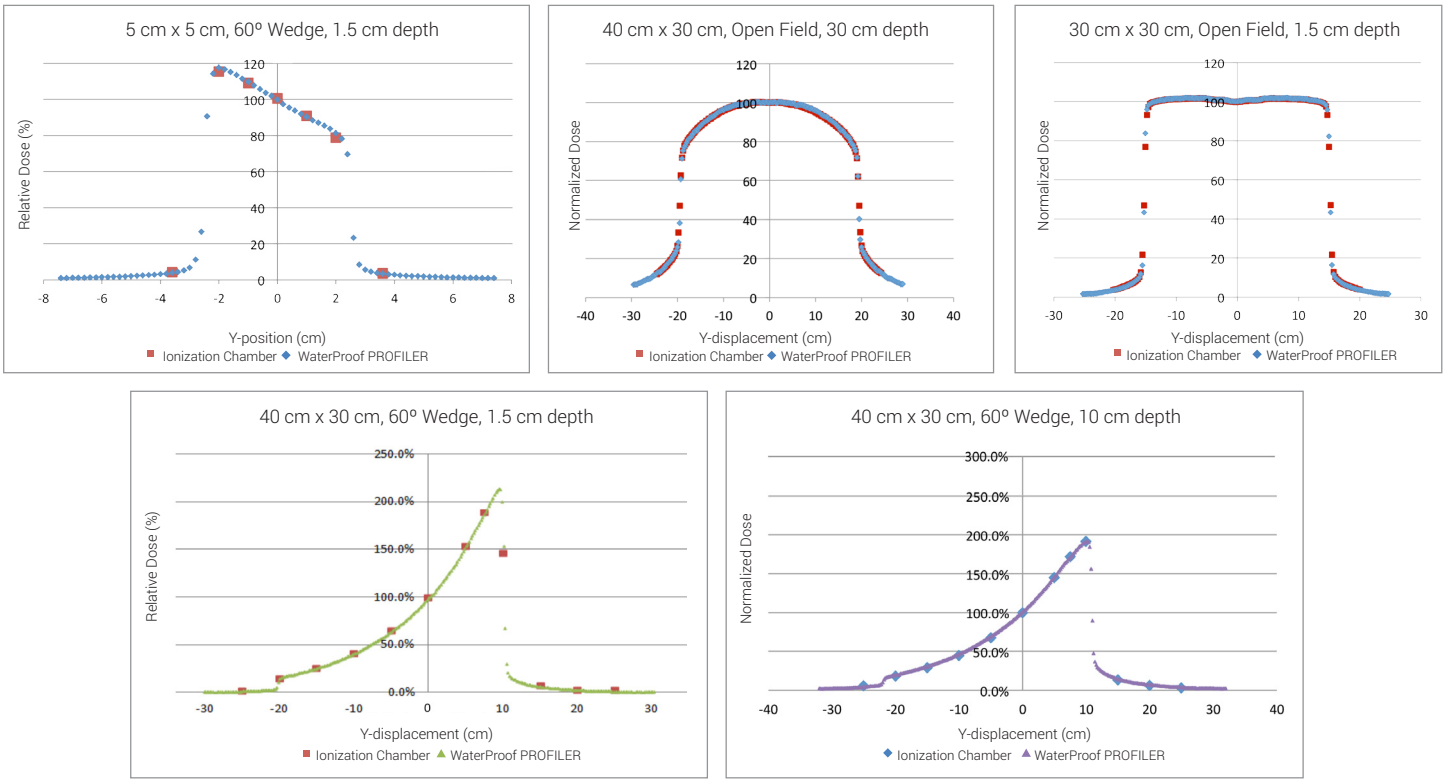


Features and Benefits

- Compatible with Sun Nuclear 3D SCANNER
- Can be used for in-air measurements
- QuickConnect™ connects WaterProof PROFILER to the Sun Nuclear 3D SCANNER in seconds
- Oversampling feature provides more accurate scans
- SunPoint® Diode Detectors measure only 0.8 x 0.8 mm and provide the sharpest penumbra for the highest accuracy in beam modeling
- Best detector spacing of any water-proof array: only 0.4 cm
- Best detector count of any water-proof array: 127 detectors
- Best detector array length of any water-proof array: 50.4 cm
- Calibration is fully automated and performed in the 3D SCANNER with no need to go in and out of bunker
- Speed – 127 detectors capture complete beam profiles instantly, and with a fraction of the MU's needed when using a single detector
- Ease of use – attaches directly to 3D SCANNER in seconds with no tools, warm-up, or external electrometer needed
- Scanning dosimetry – acceptance testing and QA
- Open fields – measure entire field
- Wedges – measure electronic wedges instantaneously in a single measurement

WaterProof PROFILER - Proven Performance

The WaterProof PROFILER offers the superior performance required for QA in a rugged water-proof design that plugs directly into the 3D SCANNER.



Specifications

Detector Type:	SunPoint Diode Detectors	Energy Range:	Co-60 to 25 MV
Quantity:	127	Max Dose/Pulse (cGy):	0.2
Spacing (mm):	4	Inherent Buildup Depth (mm):	8.1
Overall Active Length (mm):	504	Physical Buildup Depth (mm):	5.8
Active Volume (mm ³):	0.019	Dimensions L/W/H (mm):	550/91/46
Overall Accuracy (%/mm):	2.0/2.0 (with models)	Weight (kg):	1.1
Sensitivity (nC/Gy):	32	Cable Length (m):	1.17
Scanning Range		Single Cable Connection:	Yes
Vertical (mm):	340		
Horizontal (mm):	659		

