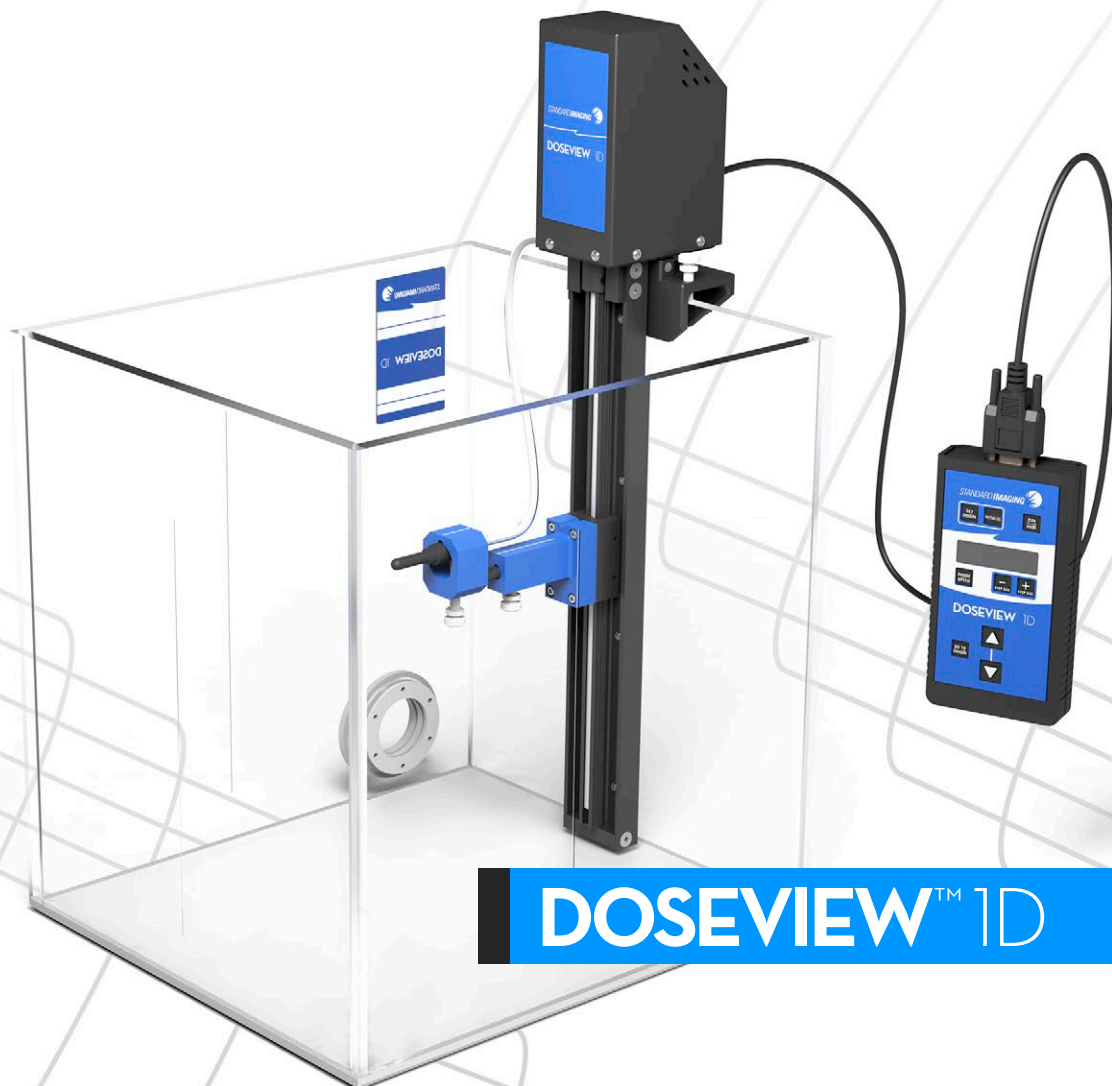


STANDARD IMAGING®



ABSOLUTE DOSIMETRY

AUTOMATE ABSORBED DOSE
TO WATER MEASUREMENTS



DOSEVIEW™ 1D

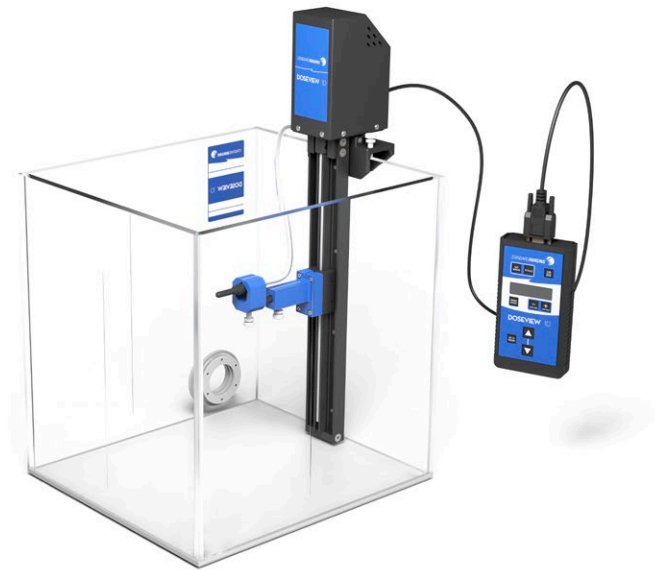
DOSEVIEW™ 1D

MORE ACCURATE SCANS, IN LESS TIME

AUTOMATICALLY ACQUIRE DEPTH-DOSE MEASUREMENTS IN A DURABLE, TG-51 AND TRS-398 COMPLIANT 1D WATER SCANNING SYSTEM.

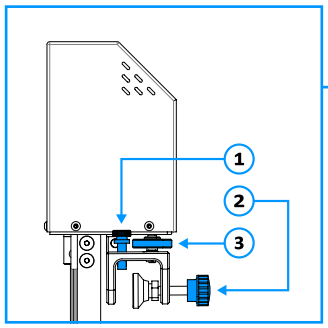
DESIGN ENSURES 0.05 MM ACCURACY & REPEATABLE SCANS

- 0.05 mm precision over the entire arm travel distance.
- Engraved vertical lines expedite phantom alignment with room lasers.
- Two fill lines accommodate 20 cm and 25 cm depth measurements.



EASILY ADAPTS TO FIT RANGE OF DETECTORS

- The water equivalent ion chamber bracket fits most thimble ion chambers and rigid stem parallel plate chambers.
- Alignment lines help quickly place the centroid of a detector at isocenter.
- Optional brackets available for vertically-oriented and stemless detectors.



REMOTE OPERATION WITH HANDHELD CONTROLLER

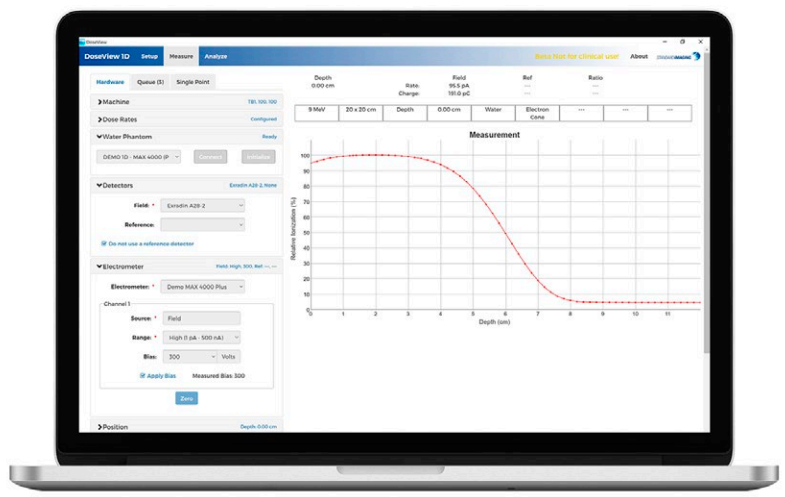
- Establish origin position and automatically return to origin with the press of a button.
- Three movement modes; fast, slow and step (0.01 mm to 100 mm).
- Easily toggle between cm/mm.
- Controller recalls the saved position for operation outside the vault.

EASY 3 POINT LEVELING

- 3 point leveling simplifies precise detector placement at water surface.

AUTOMATIC 1D SCANNING ROUTINES WITH DOSEVIEW 1D SOFTWARE

“WE HAVE BEEN USING THE UPGRADED DV1D ARM ALONG WITH THE SUPERMAX ELECTROMETER AND SOFTWARE. WE LOVE IT!” — MARK GEURTS, MS DABR



FULLY AUTOMATE DEPTH SCAN DATA COLLECTION

- (with DoseView 1D and the SuperMAX or MAX 4000 Plus Electrometers)
- Easy left-to-right/top-to-bottom navigation
 - Browser based look and feel for ease of use
 - Easy automated scan queue setup
 - Both depth scans and single point measurements
 - Depth scan data plotted in real time
 - Easy conversion from depth ionization to depth dose
 - Quick export to a spreadsheet format (.csv)
 - Control of electrometers from within the software

REMOTE OPERATION OF SCANNING ARM

- View detector position in real-time
- Set/move to origin
- Move to specific depth
- User customizable step intervals

OPERATE ELECTROMETERS (SUPERMAX/MAX 4000) VIA SOFTWARE

- View rate/charge measurement data in real-time.
- Set range and bias voltage.
- Perform charge collection using all modes. (timed + repeating, continuous, triggered)
- Automatic recording of data.

DOSEVIEW 1D SPECIFICATIONS

DIMENSIONS

ID SCANNING ARM — [length × width × height] 9.44 cm (3.72 in) × 6.77 cm (2.67 in) × 48.26 cm (19.0 in)

WATER TANK REF 91800 — 34 cm (13.39 in) × 30 cm (11.81 in) × 36 cm (14.17 in)

WATER TANK REF 91810 — 42 cm (16.54 in) × 40 cm (15.75 in) × 36 cm (14.17 in)

WEIGHT

ID SCANNING ARM — 1.36 kg (3 lbs) // **HANDHELD CONTROLLER** — 0.23 kg (0.5 lbs)

WATER TANK REF 91800 (empty) — 6.35 kg (14 lbs) // **WATER TANK REF 91810** (empty) — 10.43 kg (23 lbs)

SYSTEM DETAILS

MAX SCANNING ARM TRAVEL — 27.5 cm (10.8 in)

WATER TANK MATERIAL — Clear acrylic 0.95 cm (0.375 in)

IONIZATION CHAMBER HOLDER DIAMETER ACCOMMODATION — Max: 20 mm (0.79 in) Min: 6 mm (0.24 in)

BACKSCATTER CLEARANCE AT 25 CM DEPTH — ~ 8 cm (3.1 in) including phantom base

ACCURACY OF POSITION — ± 0.05 mm (0.002 in) over entire 275.00 mm

REPEATABILITY OF POSITION — ± 0.05 mm (0.002 in) over entire 275.00 mm

CABLING — 100 ft extension cable provided (standard RS-232 configuration)

POWER REQUIREMENTS — AC OUTPUT 12 VDC @ 1.25 A

OPTIONAL DETECTOR BRACKETS — PTW Markus® (ref 70850) • PTW Roos® (ref 70852) • Vertical Diode Holder (ref 70851)

CONFORMITY — CE

SOFTWARE/COMPUTER REQUIREMENTS

OPERATING SYSTEM — Windows® 10 Professional, 64-bit Recommended

RUNTIME ENVIRONMENT — .NET 4.5.2 // **PROCESSOR** — Dual Core, 1 GHz; Quad Core, 2 GHz Recommended

MEMORY — 32-bit OS: 2 GB, 4 GB Recommended 64-bit OS: 4 GB, 8 GB Recommended

HARD DRIVE — 1 GB free space for initial software installation. Typically 2.5 MB/Year/Linac disk space growth.
25% free space Recommended.

SCREEN RESOLUTION — 1440 x 900 or greater // **CD-ROM DRIVE** — 2X speed or greater

CONNECTIVITY — 9-pin serial RS-232 port or USB port with USB to RS-232 adapter

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STANDARD IMAGING®



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