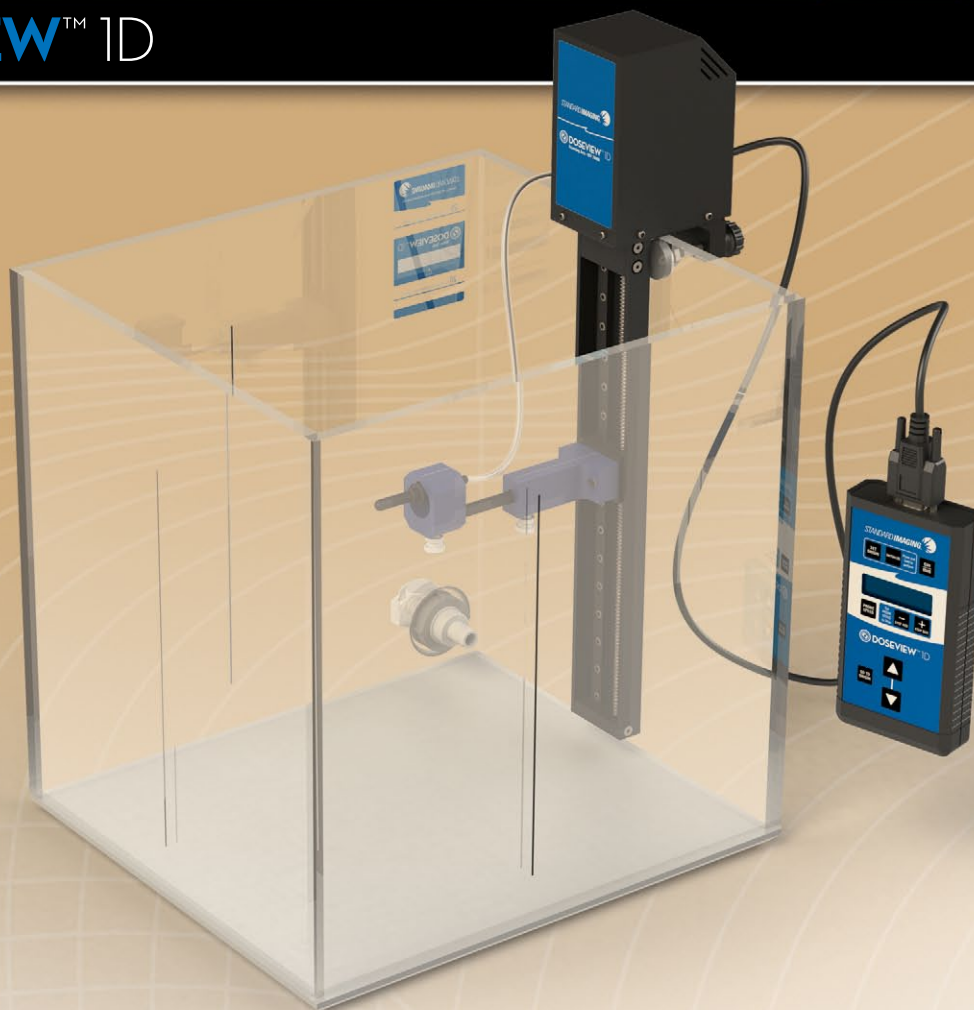


●  
SIMPLE  
PRECISE  
COMPLETE

Easily acquire depth-dose measurements in an intuitive, TG-51 and TRS-398 compliant 1D water scanning system.



● **DURABLE WATER PHANTOM AND CONTROL ARM PROVIDE FOUNDATION FOR EXCEPTIONAL QA**

- Phantom available in two sizes:  
32 cm x 28 cm x 36 cm  
40 cm x 38 cm x 36 cm
- Engraved vertical lines expedite phantom alignment using room lasers
- Two fill lines accommodate 20cm and 25cm depth measurements
- Drain valve and quick-release drain tube included
- A rotary encoder mounted on the arm's leadscrew shaft produces superior 0.05 mm accuracy of position and repeatability over entire 275.00 mm arm travel distance

● **ADAPTABLE ION CHAMBER BRACKET ACCOMMODATES RANGE OF DETECTORS**

- The water equivalent chamber bracket fits most thimble ion chambers and rigid stem parallel plate chambers; meaning only one bracket is required
- Alignment lines allow the centroid of the chamber to be quickly placed at isocenter
- Optional brackets available for vertically-oriented and stemless detectors

● **EFFORTLESS OPERATION USING THE REMOTE, HANDHELD PENDANT**

- Establish origin position and automatically return to origin with the press of a button
- Three movement modes, fast, slow and step, provide convenient positioning options
- Set step distance to a range of sizes (0.01mm to 100mm) for one-touch travel to the next measurement position
- Easily toggle between cm/mm on the pendant display
- Operate inside the treatment room or at the control console via extension cable



## Additional Accessories

### EXRADIN Ion Chambers

- Inherently waterproof
- Fully guarded for uniform field line measurements
- Constructed of rugged, homogeneous, conductive plastic for years of durability
- Manufactured from Shonka air equivalent and tissue equivalent plastics

### SuperMAX Electrometer

- Two independent measurement channels
- Easy-to-use touch-screen interface
- Comprehensive chamber library

### 1mm Lead Foil

- Absorb electrons according to TG-51 procedures
- Easily slide inside wedge tray or tape to collimator
- 20 cm x 20 cm x 1 mm
- Protective coating provides rigid strength to lead



SuperMAX Electrometer

## DOSEVIEW 1D SPECIFICATIONS

### DIMENSIONS

1D SCANNING ARM *Height:* 48.26 cm (19.0 in) *Width:* 6.77 cm (2.67 in)  
*Length:* 9.44 cm (3.72 in)

WATER TANK *Height:* 36 cm (14.17 in) *Width:* 28 cm (11.81 in)  
**REF 91800** *Length:* 32 cm (12.60 in)

WATER TANK *Height:* 36 cm (14.17 in) *Width:* 38 cm (15.75 in)  
**REF 91810** *Length:* 42 cm (16.54 in)

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

### WEIGHT

1D 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)

**MAX SCANNING ARM TRAVEL** 27.5 cm (10.8 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) 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

### OPERATING CONDITIONS

PRESSURE 680 – 800 mm Hg

TEMPERATURE 10 – 40 °C

RELATIVE HUMIDITY 30 to 75%, non-condensing

### STORAGE CONDITIONS

TEMPERATURE -40 to 70 °C

RELATIVE HUMIDITY 0 to 95%, non-condensing

**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 Holder (*REF 70851*)

**CONFORMITY**

*Markus and Roos are registered trademarks of PTW Freiburg GmbH. Specifications subject to change without notice.*



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