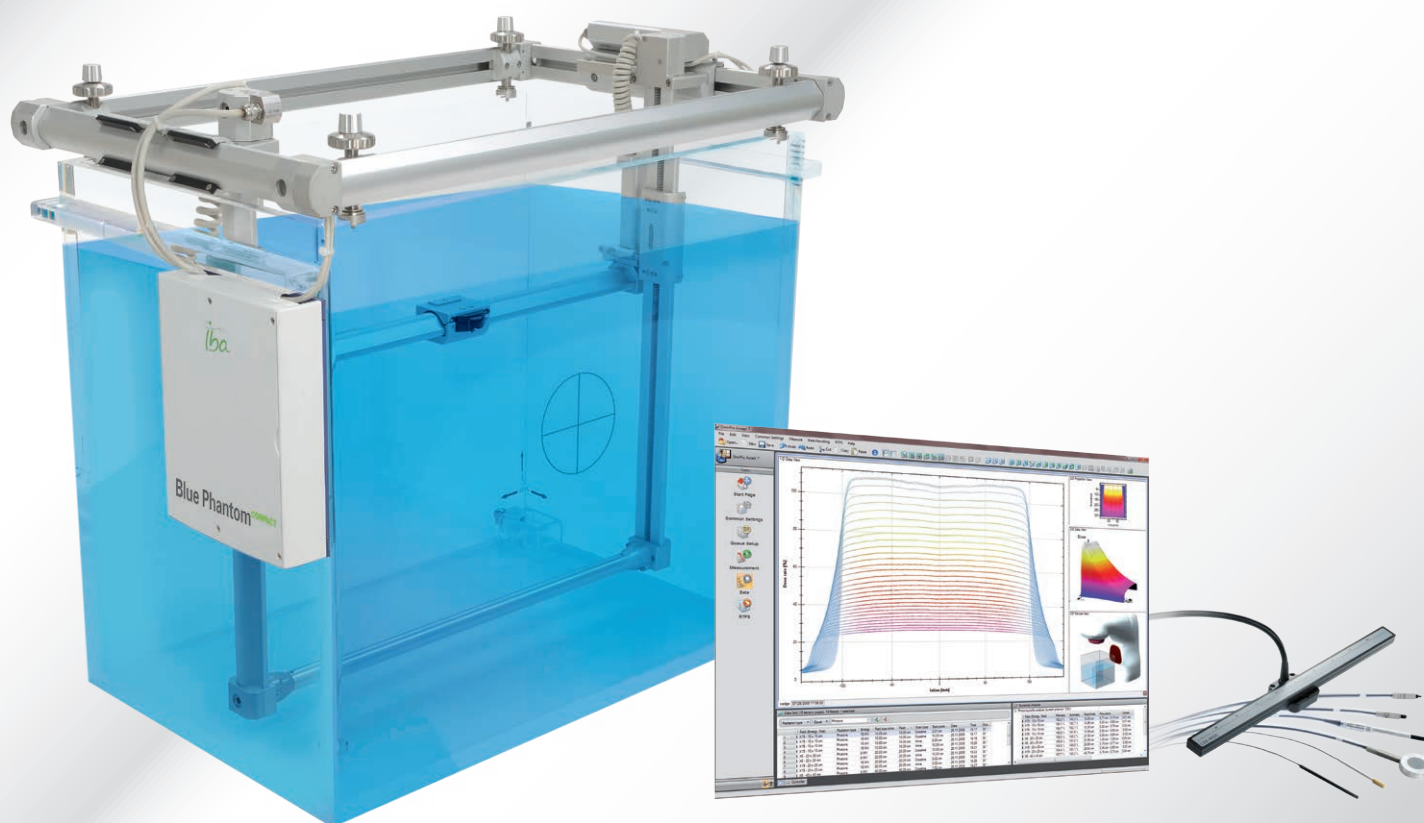


The 2D Water Phantom Solution for Relative Dosimetry Blue Phantom^{COMPACT}



Unlimited Usability – Compact Footprint

Leading Functionality

- Entirely based on the proven Blue Phantom² water phantom solution
- For your **fastest, most accurate, most reliable** beam scanning!

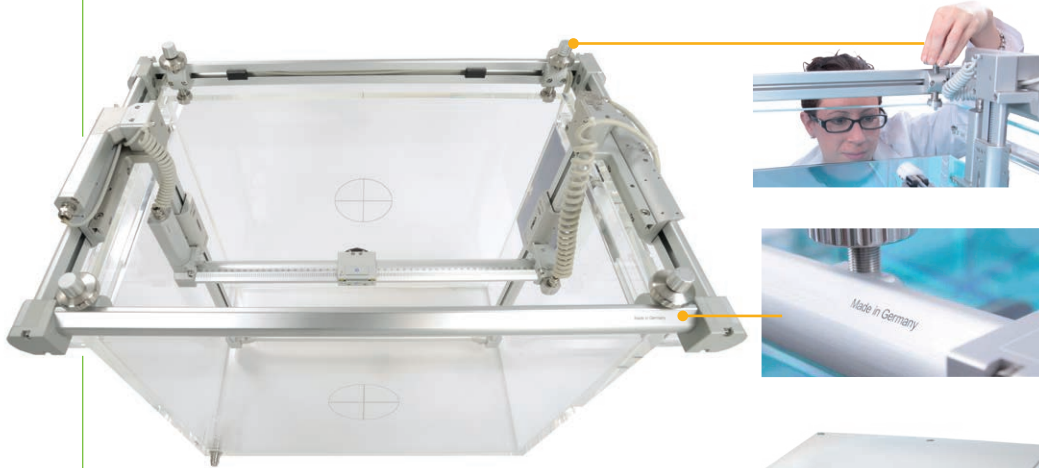
Compact Design

- 2D high-end water phantom with smaller dimensions and minimized weight
- Promotes easy transportation with more efficient use e.g. for annual checks
- Optimized for satellite hospitals and commissioning service providers

Fastest, most Accurate, most Reliable.

Blue Phantom^{COMPACT}

The Blue Phantom^{COMPACT} is a two-dimensional radiation field analyzer, designed for commissioning, acceptance testing, and regular QA of linear accelerators. Each component of the system is carefully designed for top performance, ensuring the same quality and versatility found in all IBA Dosimetry water phantoms.



Fastest

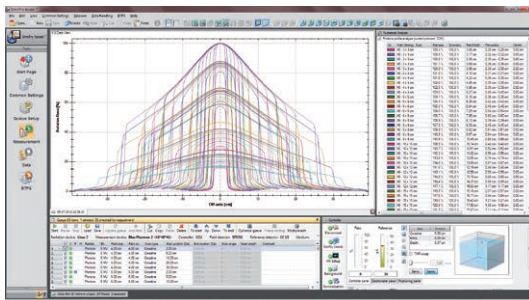
- Most efficient setup with 2 minute user validated micro-leveling
- Unique Adaptive Scan Optimization: full scanning speed & full accuracy

Most Accurate & Reliable

- From the inventor and innovation leader of water phantoms
- Highest accuracy with absolute measurements through unique contact-less sensors

CCU (Common Control Unit)

- Compact design integrating a controller and two independent electrometers



Advanced Beam Scanning Software

- Fully workflow guided: designed with service field experience to increase your scanning efficiency

Blue Phantom ^{COMPACT}	
Scanning Area in Water	478 x 410 mm (X/Z)
Speed (max.)	50 mm/s; 25 mm/s (scanning)
Position Accuracy	± 0.1 mm
Position Reproducibility	± 0.1 mm
Wall Material	15 mm PMMA
Water Volume	116 l (approx).
Outer Dimensions	645 x 407 x 550 mm (LxWxH)
Weight (with Water)	36 kg (152 kg max.)
Detector Holder Material	PVDF
Common Control Unit (CCU)	
Maximum Resolution	0.5 fA at 0.4 nA full scale; 5 fA at 40 nA full scale; 0.5 pA at 4 uA full scale
Full Scale Ranges	0.4 nA / 40 nA / 4uA
Leakage Current	< 200 fA, typically <20 fA
Time Constant	20 ms
Bias Voltage Range	± 50 through ± 500 V
Trigger Interface	RS 485 (custom specific)
Common Interface	ETHERNET (100BaseT)
Main Supply	100 – 240 V AC ± 10 %; 50/60 Hz

Accessories to complete your system:

- Linear diode array (scan complete profile at once)
- Stealth^{Chamber} reference signal chamber
- RAZOR Detector for Small Field Dosimetry
- Lift table and water reservoir
- Discover more advantages in the Blue Phantom² brochure

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Protect,
enhance
and save
lives

iba

¹ For technical data of the detectors see separate detector brochure.