myQA Accept

Beam Commissioning and Annual QA

Phantoms, Detectors & Accessories

iba

Benefit from efficient and smartly designed beam commissioning & annual QA tools that make your life EASIEST.

For MORE THAN 40 YEARS IBA Dosimetry has been providing high quality dosimetry equipment and services, with more than 4,000 SATISFIED WATER PHANTOM USERS worldwide.

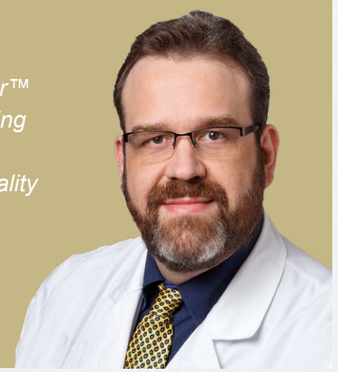
Fastest.
Most accurate.
Most reliable.

Blue Phantom² System The Gold Standard

"Invisible" reference chamber.
Visible benefits.

> *"The Blue Phantom² scanning system with myQA Accept and Stealth Chamber™ is the perfect combination for fast data collection!*
>
> *I was really surprised how easy it was to attach the Stealth Chamber™ to the LINAC with no need to change or reposition the chamber during the whole commissioning process. This saved us a lot of time. The scan results and the excellent reproducible reference signal quality absolutely satisfied all my needs!"*

Dipl. Phys. Univ. Mathias Dierl
Head of Medical Physics, Radiation Therapy, Medical Center Bayreuth, Germany



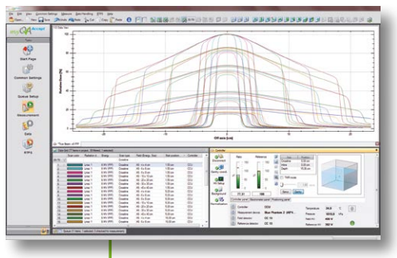
> *"IBA has mastered dosimetry software for commissioning and annual QA with myQA Accept."*

Robert Krauss, Medical Physicist
St. Francis Hospital, Memphis TN, USA

Platform-based Beam Scanning

myQA Accept

myQA Accept



myQA Platform

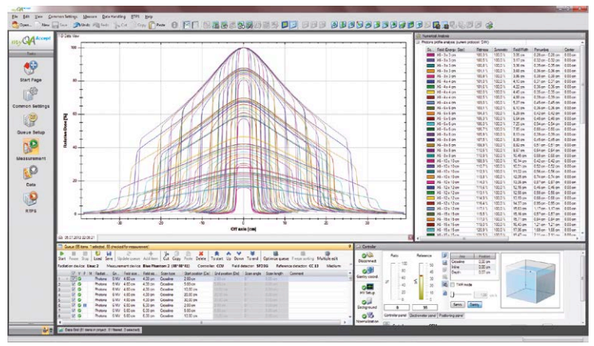
- ✓ Connect your myQA Accept software to the myQA Platform
- ✓ Benchmark your scan data anonymously in the myQA Cloud
- ✓ Use your scan data as your reference in myQA Machines

Blue Phantom² System

Find out more online at iba-dosimetry.com

myQA Accept

- Menu guided workflows enable easy operations
- Automatic Queue Generation
- Adjustable scanning parameters for optimized measurements
- Analysis of TrueBeam™/FFF Scans



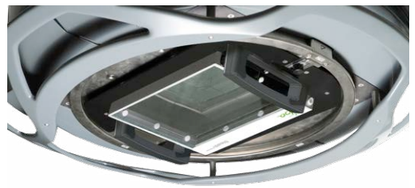
Adaptive Scan Optimization (ASO)

- Significantly speeds up continuous and step-by-step scanning
- Overcomes all other systems' restrictions that compromise speed vs. high resolution scanning
- Automatic scanning speed adaptation enables optimal accuracy for the different profile segments: Fast scanning where fewer data points are needed

IBA AquaBlue: water treatment for protecting mechanical parts and saving water from decay

Most accurate detector positioning ± 0.1 mm

- The Blue Phantom² is calibrated and certified to guarantee high accuracy and responsibility of min ± 0.1 mm!
- Equipped with high-precision sensor technology the superior solution is a non-contact and non-mechanical wear absolute position sensor (vs. typical indirect stepper motor measurements).
- Unique absolute measurement technology



NEW

StealthCHAMBER™

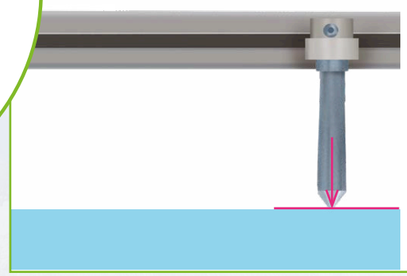
for Small Field Dosimetry

- "Beam invisible" reference signal chamber
- Unique efficiency, uncompromised accuracy

NEW

Lift Table – compact design

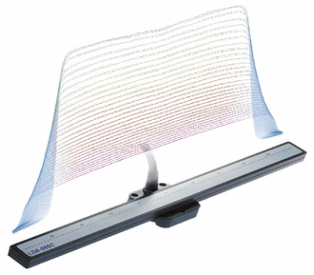
- Lift Table with extended legs can be setup without putting weight on the turntable
- Water Phantom carriage with manual or electric (telescopic) lifting
- Convenient and fast positioning of the water phantom incl. leveling frame for vertical and horizontal micro adjustment (electrical version)



Coming soon!

1 minute leveling

- Intuitive and precise 4-point micro leveling
- Simply adjust tips of alignment pins with water surface
- Spare time for redundancy checks required by automated setup procedures



5 times faster data scanning

Dramatically cut your commissioning times with the Linear Diode Array:

- Complete profile scanning at once
- High resolution down to 0.5 mm

Based on the Blue Phantom² Technology!

Blue Phantom COMPACT

Compact footprint

- 2D high-end water phantom, half the size of Blue Phantom ² and minimized weight
- Promotes easy transportation with more efficient use, e.g., for annual checks
- Optimized for satellite hospitals and commissioning service providers
- Certified accuracy

Connects all your IBA water phantoms

CCU

Common Control Unit

One control unit for all your IBA water phantoms

- Its compact design integrates a controller and two independent electrometers
- Simultaneous support of diodes and ionization chambers
- Built-in pressure & temperature sensor interfaces prepared for automatic Kt, p correction

Link Up Your Blue Phantom Family and Connect.

3D water phantom system for complete LINAC commissioning & QA

Blue Phantom²

Blue Phantom Helix

Commissioning & QA for Tomotherapy®

- 3D water phantom for faster scanning
- High positioning accuracy and reliability
- Certified accuracy
- Efficient measurements & analysis
- Long-term mechanical stability

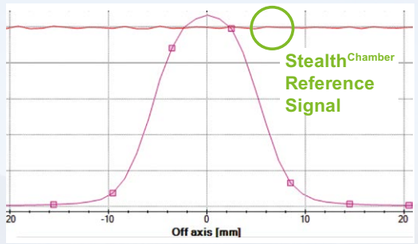
Unique Small Field Dosimetry Solutions

Stealth CHAMBER™

for Small Field Dosimetry

- ✓ New „perturbation free" reference signal chamber
- ✓ Avoid returning to the LINAC room frequently and repositioning (compared to standard reference chambers)
- ✓ Excellent reproducible reference signal quality, even for SRS/SBRT fields

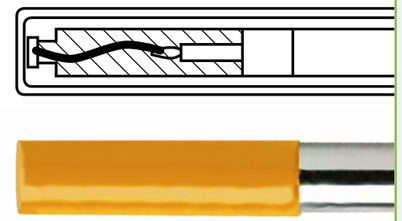
Profile of 1x1 cm field size measured with StealthCHAMBER in continuous measurement mode:



> *"The new IBA Stealth reference chamber is saving us enormous amounts of time.*
>
> *The scans we performed with the Stealth Chamber were outstanding. It was very obvious that the scans were much smoother with less disturbance, allowing us to speed up scanning motion. Also, due to the hidden chamber we don't have to go back into the vault to reposition, which saves us additional time."*
>
> **Luis Alberto Vazquez Quino, Phd; Mark Deweese, MS**
> Medical Physicists at Mid-South Radiation Physics, Inc.

RAZOR FAMILY

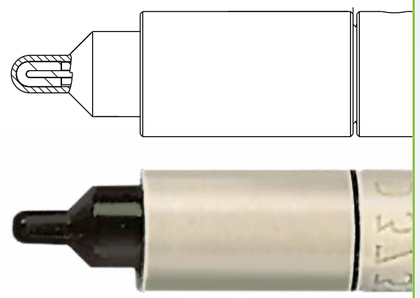
RAZOR DETECTOR



High-performance diode detector

- ✓ Chip size: 0.95 x 0.95 mm; t = 0.5 mm
- ✓ Sensitive area: Ø 0.6 mm
- ✓ For Photon and Electron beams in RT

RAZOR™ CHAMBER

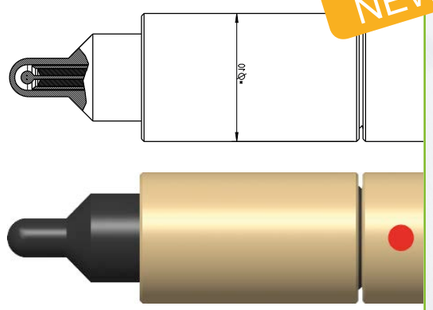


Compact air ionization chamber

- ✓ Cavity volume: 0.01 ccm
- ✓ Central electrode material: graphite
- ✓ For Photon and Electron beams in RT

RAZOR NANOCHAMBER

NEW



Smallest available ionization chamber

- ✓ Cavity volume: 0.003 ccm
- ✓ Central electrode material: graphite
- ✓ For Photon and Electron beams in RT

Technical Specifications

Blue Phantom²
Scanning volume (X/Y/Z): 478 x 478 x 410 mm
Position accuracy: ± 0.1 mm
Position reproducibility: ± 0.1 mm on 3 axes, calibrated and certified
Dimensions (LxWxH): 675 mm x 645 mm x 560 mm
Weight (empty): 45 kg
Wall thickness / material: 15 mm / acrylic
Approximate volume: 200 l
Blue Phantom Compact
Scanning volume (X/Z): 478 x 410 mm
Position accuracy: ± 0.1 mm
Position reproducibility: ± 0.1 mm on 2 axes, calibrated and certified
Dimensions (LxWxH): 645 mm x 407 mm x 550 mm
Weight (empty): 36 kg
Wall thickness / material: 15 mm / acrylic
Approximate volume: 116 l
Blue Phantom Helix
Scanning volume (X/Y/Z): 140 x 520 x 200 mm
Position accuracy: ± 0.1 mm
Position reproducibility: ± 0.1 mm on 3 axes, calibrated and certified
Dimensions (LxWxH): 680 mm x 407 mm x 350 mm
Weight (empty): 27 kg
Wall thickness / material: 15 mm / acrylic
Approximate volume: 80 l
Common Control Unit (CCU)
Time constant: 20 ms
Bios voltage range: ± 50 through ± 500 V
Full scale range: 0.4 nA / 40 nA / 4uA
Main supply: 100 – 240 V AC ± 10 %; 50/60 Hz

Fastest.
Most accurate.
Most reliable.

Find out more online at iba-dosimetry.com

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Protect, enhance and save lives

iba