

Delta⁴ Phantom+ MR



Fully compatible with existing MR-linacs

With the Delta⁴ Phantom+ MR you benefit from exactly the same unique technical features and instant approval as the Delta⁴ Phantom+.

The Delta⁴ Phantom+ MR is adapted to be fully compatible with existing MRlinacs. The electronics are mounted on the trolley separate from the phantom, and can be detached as needed.

The Delta⁴ Phantom+ MR is the only system that truly measures dose distribution in the isocentric region. You can thereby instantly approve plans and know that the delivered dose is delivered in the target and the OAR's.

The Delta⁴ Phantom+ MR offers:

- Measurements where it matters - detectors in the target region
- Instant pass/fail analysis - delivered dose is instantly compared with planned dose and compared against pass/fail criteria
- Fast set-up - easy to move from trolley to couch with no lifting required
- Easy alignment with a custom-made positioning platform for the Elekta Unity
- Stable p-type detectors eliminates re-calibration
- Ion chamber measurements can also be performed in the phantom

Delta⁴
by ScandiDos

Innovative and Efficient QA
www.delta4family.com



Delta⁴ Phantom+ MR

Technical Specifications:

Cylinder Phantom

Material PMMA; optional Plastic Water DT®

Diameter 22 cm

Length 40 cm **Total Length** 71 cm **Total Weight** 25 kg

Ion chamber insert in cylinder Inserts for common cylindrical ion chambers available

Detectors

Type p-Si

Total number 1069

Layout Distributed on coronal and sagittal plane

Max field size 20 x 38 cm² (when merging two consecutive measurements, otherwise 20 x 20 cm²)

Distance between detectors

Central area (6 x 6cm²) 5 mm (or 2.5 mm in longitudinal direction with merging of two consecutive measurements)

Outer area 10 mm

Size (radial x axial) 1 x 0.05mm³ = 0,00004 cm³

Detector stability (6MV beam)

Better than 0.1% per kGy, typically 0.04%/kGy

Size and Weight

Total length 71 cm

Total weight 25 kg

Remote Unit Total

Total length 17 cm

Total weight 3 kg

Compatibility

Modalities Photon beams, with and without flattening filter

Treatment Plan import Any treatment planning system that can export DICOM RT plan and RT Dose, Structure

MR Compatibility

Fully compatible with existing MR-linacs, no Faraday Cage issues

Power and Communication

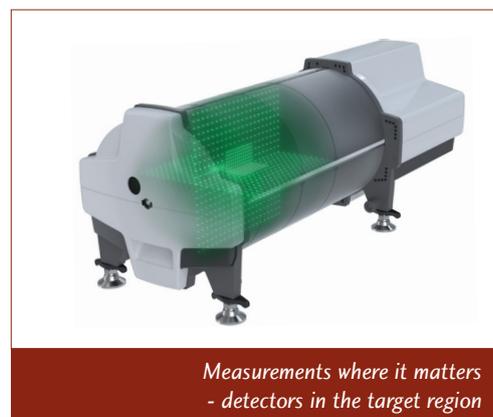
Ethernet connector (RJ-45) for communication

Power adaptor is included

Cables between remote unit and measurement phantom

Technical specifications are subject to change without notice.

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*Measurements where it matters
- detectors in the target region*



*Easy to move from trolley to couch,
no lifting required*



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