New Products 2020

PTW — THE DOSIMETRY COMPANY
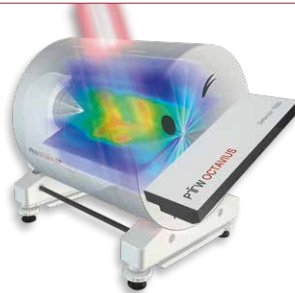
As flexible as your needs.
The new modular phantom platform
for high-precision radiotherapy and
SRS/SBRT QA.

RUBY - The Modular QA Phantom

One Phantom. Multiple Inserts. System QA. Linac QA. Patient QA.

Your advantages

▶ Perform integrated tests of the entire treatment chain with
one basic phantom by adding and expanding QA capabilities
as and when you need them

▶ Technologically advanced, new modular phantom platform
with powerful, ready-to-use application-specific inserts

▶ Comprehensive end-to-end testing of the entire SRS/SBRT
treatment process with one single insert

▶ Measurement-based patient-specific plan verification,
including non-coplanar treatments, with film and different
detector types

▶ Alignment checks of the entire system, including 6D couch

▶ CT markers in phantom and all inserts for enhanced visibility

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UNIDOS® Tango
Reference class electrometer exceeding IPEM and IEC 60731 standards

Your advantages

▶ Intelligent Detector Recognition IDR and remote control (see next page)

▶ Measurements with high precision and a resolution of 100 aA

▶ Individual and password protected profiles with all device settings and detector parameters

▶ High resolution 5" touchscreen with excellent readability from different angles

▶ Up to 50 measurements (detector, date, readings/ measurements) can be saved in the history - calculate mean and standard deviation

▶ Intuitive GUI in 9 languages

▶ Storage of up to 100 detectors in the detector library

▶ Interface to Track-it via BeamDose software

UNIDOS® Tango - New Usability Features
Intelligent Detector Recognition (IDR) and remote control

▶ Automatic and safe import of all essential calibration certificate information via IDR:

1. Just scan the Data Matrix Code from the calibration certificate via the integrated camera of your UNIDOS Tango to create a new entry in the detector library. Avoid typing errors due to manual entries.

2. Scan the Data Matrix Code on the detector label to select a detector from the UNIDOS Tango library. This saves you time and avoids errors.

▶ Full remote control via WLAN and LAN:

Connect the client with the UNIDOS Tango to get access to the integrated webserver. Control the UNIDOS by displaying the graphical user interface (GUI) on your smart device using any web browser. This feature facilitates the handling of the device and offers a high flexibility.

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BEAMSCAN® MR

First motorized 3D water phantom suitable for clinical use in up to 1.5 T MR environment

Your advantages

▶ Complete solution for commissioning and QA of MR-Linacs: From beam data acquisition, processing and analysis to protocol-based documentation

▶ The all-in-one, ready for use system with comfortable touch panel for fast setup is exceptionally robust, incredibly versatile and straightforward in its operation

▶ Reference-class Semiflex 3D ionization chambers for precise dose measurements in small and standard fields up to 40x40 cm

▶ Two models with vendor-specific water tanks for optimized scanning ranges for Elekta Unity and ViewRay® MRIdian®

▶ Auto alignment - no lasers or light field needed

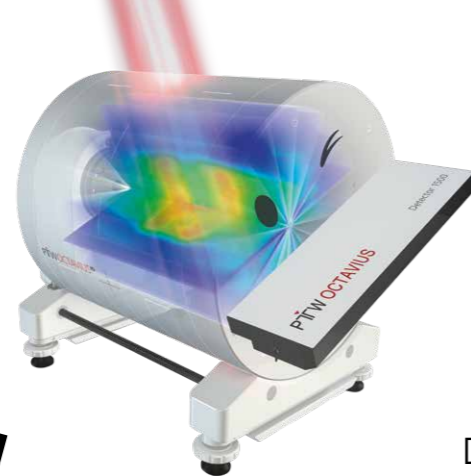▶ Consistent detector orientation for all scans, including off-axis scans

OCTAVIUS ⁴ᴰ
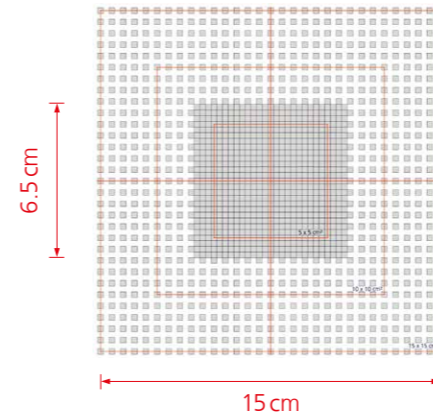

SRS/SBRT tops

Standard phantom top

Top for Machine-QA

Detector modularity. Four different detectors from simple applications to stereotactic brain procedures.

ptwdosimetry.com

OCTAVIUS® Detector 1600 ᔆᴿˢ

for patient plan verification and quality control of SRS applications

6.5 cm

15 cm

Your advantages

▸ Detector array with 1521 liquid-filled ionization chambers

▸ Filmless patient plan verification and machine-specific QA

▸ Suitable for QA of IMRT, VMAT and SRS/SBRT with OCTAVIUS 4D – independent from TPS

▸ Verification of single isocenter SRS for multiple brain metastases

▸ Active volume 2.5 x 2.5 x 0.5 mm³

▸ Detector spacing in center area: 2.5mm

▸ Best available field coverage for SRS applications with a field size of 1 x 1 cm² to 15 x 15 cm²

microSilicon

The silicon detector for small photon and all electron fields

Your advantages

▶ Unshielded diode, perfectly suited for small field photon fields up to (10 x 10) cm² and electrons

▶ Excellent dose stability (@6MV ≤ 0.1%/kGy)

▶ Very small detector to detector variation

▶ Low dose per pulse dependence

▶ Improved water equivalence
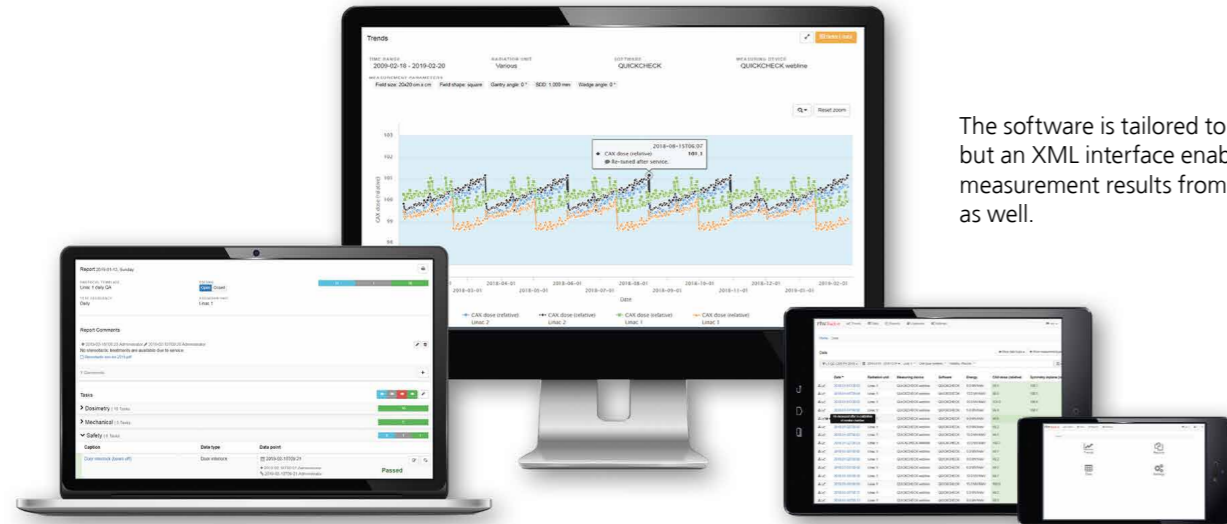
▶ Very low sensitivity variation with temperature

microSilicon X

The shielded version of the very popular microSilicon for photon fields

Your advantages

▶ The shielding makes this diode perfectly suited for field sizes up to 40 x 40 cm²

▶ The shielding reduces the low energy scattered radiation amount in the detector signal

▶ Ideal for PDD measurements in large field sizes

▶ Excellent dose stability (@6 MV ≤ 0.1 %/kGy)

▶ Low dose per pulse dependence

▶ Improved water equivalence

▶ Very low sensitivity variation with temperature

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The software is tailored to PTW products, but an XML interface enables to import measurement results from other devices as well.

Track-it QA Data Management Software

Perfect platform to manage QA reports and QA data in radiotherapy institutions

TRACK-IT

SMART QA DATA MANAGEMENT

Your advantages

▸ Web based application using desktop or mobile devices

▸ Online or offline QA report generation, e.g. in vaults without wireless network

▸ User-defined protocol templates to customize the application to the specific needs of your QA workflows

▸ Compliance with TG-142 through predefined templates

▸ Traceability - recording of all main steps in the workflows, such as data entry, modification and linking to reports

▸ Trend analysis over time and across your treatment devices with versatile display options

▸ Efficiently manage all QA data on one single platform

▸ Easily track changes over time to take action when needed

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