One touch and off it goes …

QUICKCHECK *webline* ®

Portable Constancy
Check Device

PTW

Completely Automatic Measurement

Set one time, use day after day:

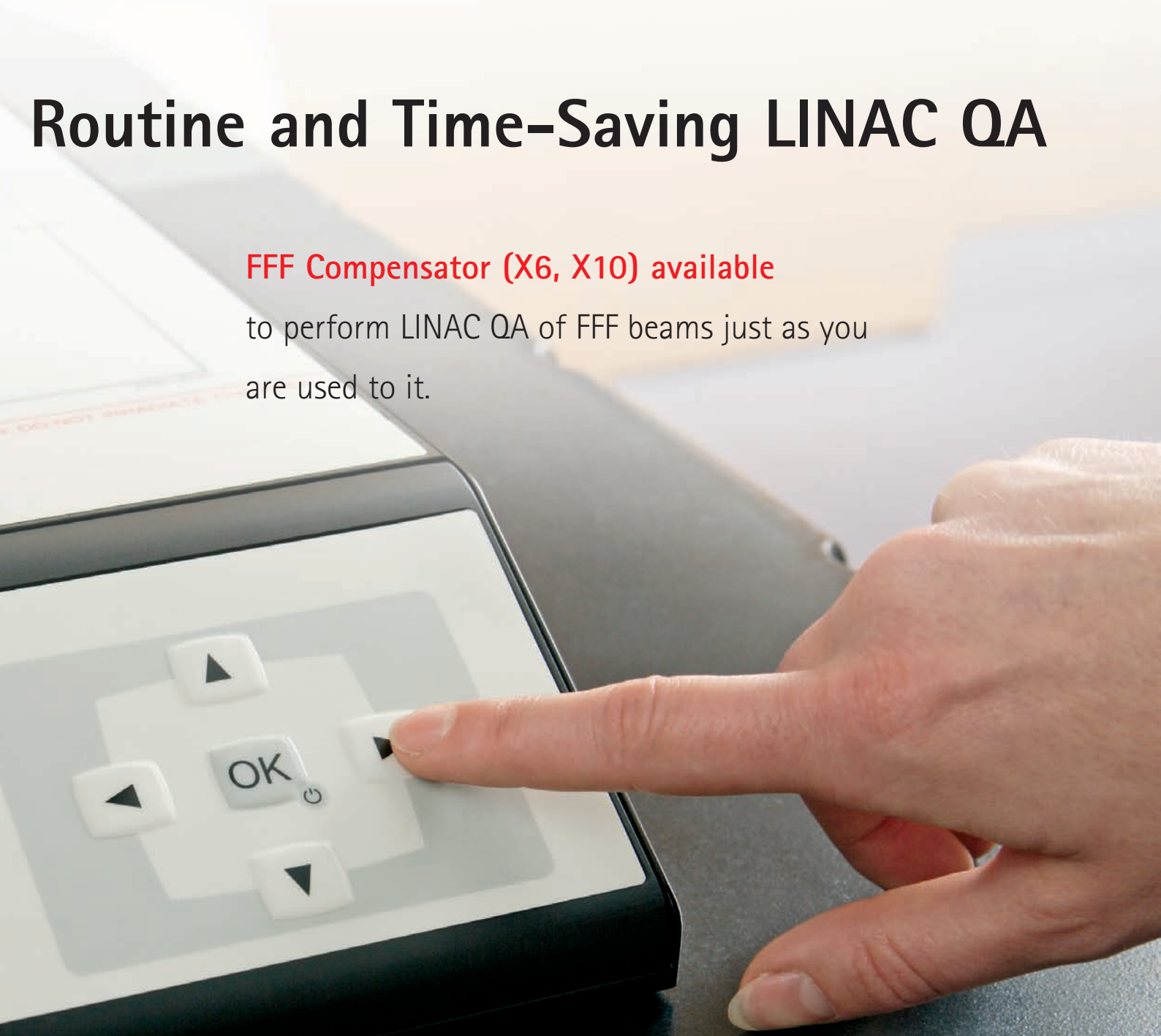
Complete LINAC QA in an automated measurement procedure – simple, compact and wireless.

- Checks dose, dose rate, homogeneity, symmetry, beam quality,

Routine and Time-Saving LINAC QA

FFF Compensator (X6, X10) available

to perform LINAC QA of FFF beams just as you are used to it.



QUICKCHECK *webline* ®

- Intuitive operability
- Ready for use immediately every day
- Track-it data management

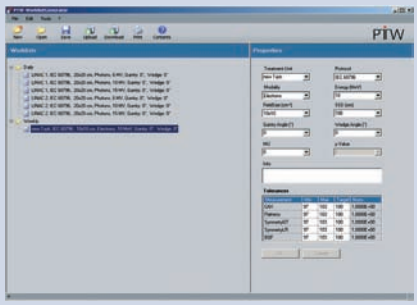
dynamic and static wedges according to pre-defined task lists

SET ONE TIME, USE DAY AFTER DAY

A task list is created for each linear accelerator in radiotherapy using the **WorklistGenerator:** The software makes it possible to define all relevant test parameters for comprehensive quality control of accelerators and apply them in a constant, completely automatic measurement routine. The task lists are transmitted to the measurement equipment and stored there. Thereafter, QUICKCHECK*webline* is ready for daily constancy checks without the need of additional settings.

1. Aligning and irradiating

QUICKCHECK*webline* is placed under the linear accelerator with little work and aligned using the room laser with help of engraved lines. Thanks to a convenient auto-start and auto-stop function, one measurement after another can be performed without further intervention. For example, you can irradiate various photon and electron energies one after another. The data are stored in the device.



2. Displaying and evaluating

The task list for the respective linear accelerator is worked through completely, and the corresponding test status is calculated automatically. QUICKCHECK*live* displays instantially the measurement results. Measurement tasks can be skipped or repeated directly from outside the treatment room. QUICKCHECK*webline* manages task lists for any number of accelerators; all available LINACS can be checked with only one measurement device, and the measurement values of several months can be stored in the device.

3. Analyzing and archiving

The data stored in QUICKCHECK*webline* can be transferred to a PC via RS232, USB or LAN at any time. QUICKCHECK software supports fast long-term analysis. Data transfer to Track-it offers to manage all QA data on one single platform and to share it fast and effectively across your organization. Track-it features automated completition of reports by using predefined or custom protocol templates, e.g., AAPM TG-142 Daily QA. An optional QUICKCHECK*webline* docking station, which can also be mounted on the wall, serves for data transmission as well as for charging the batteries.

Robust ionization chambers *Suitable for field sizes from 10 x 10 cm²*

Specifications

Product:	Test device for constancy check of medical linear accelerators
Detector type:	Vented ionization chambers, air density compensated
Number of detectors:	13
Measured quantities:	Dose, dose rate, irradiation time, temperature and air pressure
Nominal useful energy range:	(4 ... 25) MV photons (4 ... 10) MV photons with FFF Compensator (4 ... 25) MeV electrons
Nominal range of dose rate:	(0.5 ... 10) Gy/min (1 ... 25) Gy/min with FFF Compensator
Response:	3.4 nC/Gy (typical)
Measurement volume:	0.1/0.2 cm³ per chamber
Field sizes:	(10 x 10) cm², (20 x 20) cm²
Temperature range:	(10 ... 40) °C, (50 ... 95) °F
Humidity range:	(10 ... 80) %, max. 20 g/m³
Air pressure range:	(540 ... 1060) hPa
Display:	TFT color display 70 mm x 53 mm
Interfaces:	RS232, USB und LAN (TCP/IP)
Power supply:	4 rechargeable batteries AA (NiMH)
Outer dimensions:	380 mm x 254 mm x 67 mm, 262 mm x 262 mm x 37.5 mm Compensator X6, 262 mm x 262 mm x 58.5 mm Compensator X10
Weight:	Measurement device 5.5 kg, Docking station 1.7 kg, Compensator X6 2.1 kg, Compensator X10 2.9 kg

1 ALIGNING AND IRRADIATING

and 20 x 20 cm² *Integrated energy check for photons and electrons* *User-*

Easy to operate

- Compact format and slight weight
- Detectors and display in one device
- Automatic air density correction
- Wireless operation
- Suitable gantry holding device available for measurements under various gantry angles

2 DISPLAYING AND EVALUATING

-defined check parameters *Comprehensive network capability with USB, RS232 and LAN*

Completely automatic and convenient

- Task lists defined once in advance
- Trigger-controlled measurement procedure with auto-start, auto-stop, auto-standby and auto-shutdown
- Immediate display of measurement results
- Skip or repeat measurement tasks from outside the treatment room

3 ANALYZING AND ARCHIVING

interfaces for PC or network connection *Data management with Track-it*

Versatile and transparent

- Individually configurable evaluation
- Export analyzed data from your QUICKCHECK*webline* to Track-it with the click of a single button
- View and manage all your QA reports in the Track-it Dashboard
- Access QA data from multiple sources and sites with a standard web browser

Dosimetry Pioneers since 1922.

PTW is a global market leader for dosimetry and quality control solutions in radiation medicine, serving the needs of medical radiation experts in more than 160 countries worldwide. Starting with the famous Hammer dosemeter in 1922, the German manufacturer is one of the pioneers in medical radiation measurement, known for its unparalleled quality and precision.

For PTW, making medical radiation safer is both a passion and lifetime commitment. The family-run high-tech company operates one of the oldest and largest accredited calibration laboratories in the field of ionizing radiation and established THE DOSIMETRY SCHOOL to promote the exchange of knowledge in clinical dosimetry.

For more information on PTW products visit www.ptw.de
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