QUART nonius

Digital X-ray Ruler

The QUART nonius is a digital x-ray ruler for electronic measurement of geometric properties of x-ray fields. It can also be used to analyse characteristics of fanned x-ray beams.

The nonius analyses how the light visor matches the actual x-ray field. In addition, it checks the position, width and the dose profile of fanned x-ray beams.

The ruler can be used in digital as well as conventional x-ray modalities. Its precision is an absolute strong point – it is accurate to the 'nonius' of 0.1 mm.

Measurement Features

- · Alignment of Light Field and Radiation Field.
- Alignment of Radiation Field and Detector.
- X-Ray Field Geometry and Alignment.
- · Fan-Beam Geometry and Alignment.

Fan-Beam Applications

- Computed Tomography.
- Dental Panoramic.

X-ray Field Applications

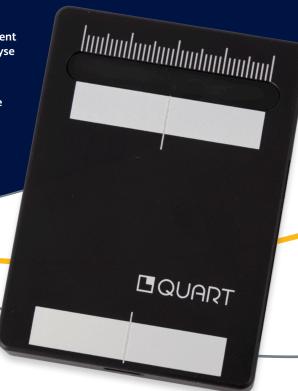
- CBCT/3D.
- Intraoral.
- Fluoroscopy.
- Mammography/DBT.
- DR/CR.

Options

- QUART bridge holder for quick and reliable positioning (also in vertical position).
- QUART intra-oral positioning aide.

Accessories

Delivery includes a 3-meter USB cable and a compact protective case.



Mode of Operation

- 1. Connect the device via USB to a Laptop or Tablet PC with Windows® operating system.
- 2. Position the head unit at the required position.
- 3. Use the light field or a reference point for accurate positioning.
- 4. Trigger the QA/QC exposure.
- 5. Data is transferred to the PC in real time.
- 6. Results are displayed, visualised, calculated and stored for later reference.
- 7. Evaluate and manage the results on your laptop.
- 8. The multi-lingual nonius software provides a data-base function and protocol modality including optional soft- or hard-copy print.



Specifications

General	
Accuracy/Resolution	+/- 0.1 mm
Exposure Threshold	Dose ≥ 200 μGy / Dose Rate ≥ 20 μGy/s
Sensor Area	40 mm Length (16 Active Sensor Elements)
Weight	190 g
Size of Head Unit	55 x 75 x 15 mm (W x H x D)

Plug and Play Component	
Additional Hardware	Windows® laptop or tablet required
Connectivity	USB (2.0)
Operating System	Windows® 7 - 10

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