

## Product Datasheet

# 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

**Southern Scientific Limited**  
Scientific House, The Henfield Business Park  
Shoreham Road, Henfield, BN5 9SL, UK  
**E-mail:** [info@southernscientific.co.uk](mailto:info@southernscientific.co.uk)  
**Tel:** +44 (0)1273 497600  
[www.southernscientific.co.uk](http://www.southernscientific.co.uk)

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