

## QUART nonius

### X-Ray Field / Fanned Beam Measurement

NONIUS is a solid state measurement instrument designed to verify the coincidence between the light and radiation fields of various types of x-ray equipment. With the advent of digital radiography, traditional methods for light field and radiation field congruence measurements using x-ray film are becoming less available. NONIUS solves this problem by transferring measured data to a PC in real time where the results are automatically analyzed and displayed. Measured data are automatically saved and can be accessed at a later point in time for evaluation purposes. The software also provides a protocol function including hardcopy print-out. In addition, NONIUS provides the option to assess the position and width as well as the dose profile of fanned x-ray beams. The technology used to develop NONIUS is highly flexible, allowing it to be used in digital as well as conventional x-ray measurements with a resolution of 0.01 mm. The NONIUS is equipped with a USB cable and comes with associated software.

#### Applications

- ▶ Dental
  - Intraoral
  - Panoramic/CBCT/3D
- ▶ Radiology
  - Computed Tomography
  - Fluoroscopy
  - Mammography
  - DR/CR



#### Technical Data

Accuracy/Resolution.....	+/- 0.01 mm
Exposure Threshold.....	Dose $\geq$ 200 $\mu$ Gy Dose Rate $\geq$ 20 $\mu$ Gy/s
Measurement Method .....	Open field, no added filtration needed
Connectivity.....	Standard USB, 2.0
Temperature Range.....	15 – 40°C
System Requirements .....	Pentium III, 128 Mb RAM, USB
Operating System.....	Windows 7, Vista, XP
Sensor Area.....	40 mm Length (16 Active Sensor Elements)
Weight.....	190 g (without USB Cable)
Size .....	55 x 75 x 15 mm (W x H x D)

