Innovative Quality Assurance in Fluoroscopy

The QUART SP_dl phantom is designed for maximum precision and diagnostic relevance in quality control of digital and conventional (analogue) Fluoroscopy equipment.

The phantom’s integrated test objects meet and exceed current standard regulations. It features a unique test object which provides the possibility to verify the kV stability of x-ray generators. Only this kind of test object is recommended to define a specific transition point, as required by current QA standards.

Phantom Properties

- Phantom Size: 200x200x18.5 mm (LxWxT)
- Extension available for larger x-ray fields to provide a wide standard compliant format of 330x330x18.5 mm (LxWxT)
- Integrated Filtration of 1.5 mm copper
- Dynamic Test Step wedge (17 steps; 0 – 3.5 mm) with additional Low Contrast Test objects (Ø 4 mm)
- 8 Low Contrast Test objects (aluminium; 0.4 – 4 mm; Ø 15 mm)
- Integrated Line Pair test (Type 38 / Pb 0.05 mm / 45°)
- Unique kV Test object (Yt + Cu)
- Field Size markings
- Center marking

Parameters

- X-ray Field properties
- Low Contrast Resolution
- Visual (Spatial) Resolution
- kV stability / transition point / radiation quality
- Artefacts / Homogeneity
- Air Kerma (Dose); Dosemeter required
- Added Filtration available (25.0 mm aluminium attenuator, purity 99.5 % guaranteed) for patient simulation

Art. No.: 12205

Standard Conformance

- Acceptance Testing
  - DIN V 6868-58
  - IEC 61223-3-1

- Constancy Testing
  - DIN 6868-4: 2007

Dosimeter for Constancy Tests

QUART dido/twin
Art. No.: 11204