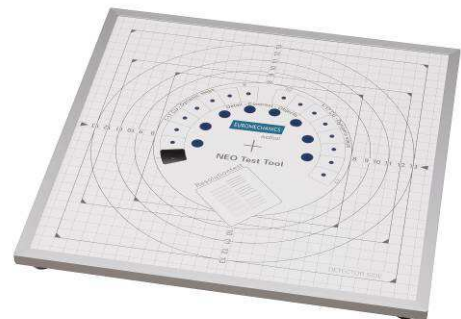


QUALITY ASSURANCE FOR RADIOGRAPHY/FLUOROSCOPY

NEW Allround Image Quality Phantom: NEO

Key features:

- Suitable for QA inclusive acceptance tests within digital and analogue Radiography and Fluoroscopy
- Developed in accordance with German Standard DIN 6868-150, 2013
- Structured body, consisting of attenuation body and Cu-plate for evaluation of the following image quality parameters:
 - Direction tube axis
 - Control of dynamic range: Dynamic step wedge (step 1: 0.00 mm Cu – step 17: 3.48 mm Cu)
 - 16 detail contrast objects for evaluation of contrast resolution in each step of the Cu step wedge (Ø 4 mm, depth 2.5 mm in PMMA)
 - Center mark by a line cross
 - 8 detail contrast objects for determination of contrast resolution (Ø 10 mm, depth 0.4 – 4 mm)
Produced contrast at 75 kV and with 25 mm Al-attenuation with reference to step 9:
0.9%, 1.3%, 1.8%, 2.8%, 4.0%, 5.6%, 8.0%, 9.4%
 - Unstructured inner area
 - High contrast resolution test
0.6 – 5.0 lp/mm (type 38), rotated in an 45° angle
 - Numbering, radiographically visible, for indication of the dynamic steps
 - Large grid area, radiographically visible, for geometry evaluation
 - Back-side annotation, not radiographically visible



NEO phantom, facts / delivery scope:

- Image Quality Phantom NEO
- Weight 3.1 kg – dimensions 300 x 300 x 18.5 mm
- Order number: 10341

Required / recommended accessories:

- Stand for NEO Phantom – Order number: 10008
- 25 mm Aluminum pre-attenuator ALMA - Order number: 10002

and, recommended for evaluation of the perpendicular beam:

- Beam alignment test tool BENO – Order number: 10011

Relevant standards/regulations:
DIN 6868-150, 2013