

QUALITY ASSURANCE FOR DIGITAL RADIOGRAPHY

Image Quality Phantom for CR / DR: DIEGO

Key features:

- Specifically developed for digital Radiography in accordance with German Standard DIN V 6868-58 (acceptance tests) and DIN 6868-13 (constancy tests)
- Suitable for QA at all CR and DR systems
- Structured body for evaluation of several image quality parameters:
 - Control of dynamic range
Dynamic Cu step wedge, 7 steps ascending:
0.00, 0.30, 0.65, 1.00, 1.40, 1.85 and 2.3 mm
 - Low contrast resolution
6 low contrast objects, Al-discs, diameter 10 mm
Produced contrast at 70 kV:
0.8 %, 1.2 %, 2.0 %, 2.8 %, 4.0 % and 5.6 %
 - High contrast / spatial resolution
Linepair test, 0.6 – 5.0 lp/mm (type 38)
45° rotated
 - Signal standardization and homogeneity check
in marked central area
 - Alignment of light field & useful beam field
 - Marks for adaption to different cassette sizes



DIEGO phantom, facts / delivery scope:

- Image Quality Phantom DIEGO
- Weight 1.5 kg – dimensions 300 x 300 x 10 mm
- Order number: 10000

Required / recommended accessories:

- 25 mm Aluminum pre-attenuator ALMA – Order number: 10002
- Mounting frame for chest units MONTI – Order number: 10001

and, recommended for evaluation of the perpendicular beam:

- Beam alignment test tool BENO – Order number: 10011

Relevant standards/regulations:

DIN 6868-13 and DIN V 6868-58