![QUART — Quality Assurance in Radiological Technologies]

# Digital R&F CR/DR Test Phantom

Digital R&F QA/QC Test Phantom

# QUART SP digi

Test Phantoms for QA/QC in Digital Radiography & Fluoroscopy

The *QUART SP digi* phantom is designed for maximum precision in QA/QC of Digital Radiography and Fluoroscopy equipment. The phantom complies with DIN 6868-13 & -58 as well as IEC 61223-3-1 & -2-11.

The phantom can be used for QA/QC of radiographic x-ray equipment featuring digital storage screen (CR) or CCD image detectors (DR).
 The QA/QC procedure is very straight-forward. After the exposure, the test image is assessed visually.

Phantom Description
_ Enhanced phantom dimensions: 33x33x1.2cm (LxWxH)
_ Plain structural design to clearly reveal artefacts
_ Standard field markings for all major Fields-of-View (FoV)
_ Checks on field size from small up to 30x30cm
_ Dynamics wedge made of copper (7 Steps: 0 - 2.3mm)
_ 6 Low-Contrast test objects made of aluminium (0.1 - 0.7mm)
_ Center marking designed for use with *QUART ZTB* Alignment Tool
_ High-Quality Line Pair Test (Type 38, 45° arrangement) integrated
_ Center Area for dose measurement and detector signal adjustment
_ Clips for wire-based attachment at wall-mounted units
_ Optional Holders available for vertical positioning

Test Parameters
_ Spatial Resolution
_ Low-Contrast Resolution
_ Radiation Field Alignment
_ Image Homogeneity
_ Detector Signal Adjustment
_ Artefacts, Image Flaws, etc.

Delivery includes
✓ *QUART SP digi* Test Phantom
✓ Manual
　Transport Case with Foam Insert optionally available

Also available

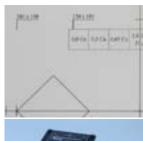| | |
|---|---|
| *QUART SP_dl* | Universal CD/DR Test Phantom |
| *QUART ZTB* | Alignment Test Tool |
| *QUART NKK* | Low-Contrast Test Wedge |
| *QUART LT* | Filter Stand |
| *QUART al250* | Added Standard Filtration for QA/QC |
| *QUART cu10* | Added Standard Filtration for QA/QC (>100 kV) |
| *QUART dido/EASY* | Constancy Test Dosemeter |

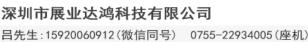深圳市展业达鸿科技有限公司
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