

Test device Primus A
with optional
multimeter MagicMaX
and XR detector

PRIMUS A

Test Device

For quality checks at digital and conventional radiographic and fluoroscopic X-ray units

TEST DEVICE PRIMUS A

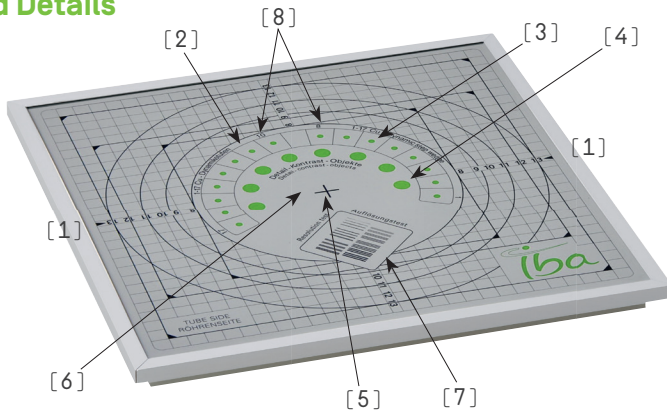
For quality checks at digital and conventional radiographic and fluoroscopic X-ray units

The test device Primus A is applicable for expert inspections, acceptance tests and constancy tests according to DIN 6868-150, 2013 and DIN 6868-4

Key Benefits

- **Universal test device:** For your digital and conventional radiographic and fluoroscopic X-ray units
- **Integrated grid design:** For easy testing of geometric distortion and smart review of light-/beam field alignment
- **Low and high contrast resolution:** Two integrated areas for verification of the dynamic and low contrast sensitivity
- **Intuitive workflow:** Unique design ensuring easy application

Technical Specifications and Details



- [1] Direction of the tube axis
- [2] Dynamic step wedge

Step	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Cu Thickness [mm]	0.00	0.18	0.36	0.54	0.74	0.95	1.16	1.38	1.50	1.73	1.96	2.21	2.45	2.70	2.96	3.22	3.48
Dynamic [%] *	16.0	11.3	8.0	5.66	4.0	2.83	2.0	1.41	1	1/1.41	1/2.00	1/2.83	1/4.00	1/5.66	1/8.00	1/11.3	1/16
PMMA Thickness [mm]	4.0								17	12							

*Dynamic at 75 kV and 25 mm Al-attenuator

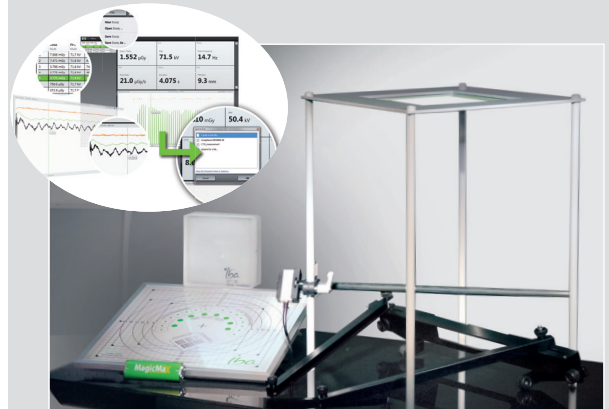
- [3] 16 detail contrast objects, diameter: 4 mm, depth: 2.5 mm in PMMA (evaluation of low contrast resolution in each step of the copper step wedge)
- [4] Detail contrast objects with 8 mm diameter
- [5] Line cross to mark center
- [6] Unstructured inner area
- [7] High contrast resolution tests (Resolution: 0,6 – 5 LP/mm)
- [8] Radiographically visible numbers for indication of the dynamic steps

PrimusA_Pruefkoerper_MI-Br-E_Rev.2_0417 | © IBA 2017 | All rights reserved.

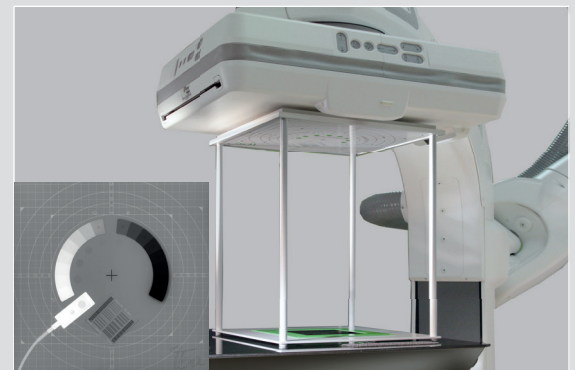
Complete Solution Kit IBA rad/flu-150 Case [VD0250210]

→ For full quality assurance at radiography and fluoroscopy systems

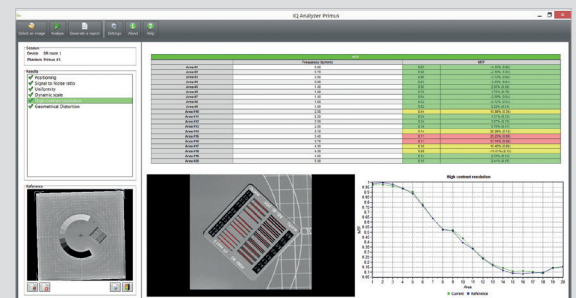
Wide range of accessories for Primus A



- Primus A with stand and mounting frame (right)
- Multimeter MagicMaX with XR detector (front)
- DVT^{3D} phantom (left backside)



- Stand for Test Device Primus A
- Radiography of Primus A with MagicMaX XR detector (left)



- Software IQ Analyzer Primus for automatic fast analysis of your Primus A images

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