



X-CHECK PRO X-ray Test Phantom

*Test object for acceptance tests of
radiographic and fluoroscopic
X-ray equipment*

Features

- ▶ Suitable for acceptance tests of X-ray equipment for radiographic and radiosopic systems
- ▶ Complies with IEC 61223-3-1* and German standard DIN 6868-50
- ▶ Suitable for overcouch, undercouch and wallstand installations
- ▶ Can be used together with the CONNY II dosimeter

X-CHECK PRO is a test object for acceptance tests of radiographic and radiosopic X-ray equipment. The test object includes special structures and attenuation plates according to the IEC standard 61223-3-1*. It consists of a structure plate, a 25 mm thick Al attenuation phantom, a 50 mm thick PMMA attenuation phantom, a 1.5 mm Cu plate and parts to mount it together as a measuring stand. For the required entrance dose measurements the CONNY II dosimeter is recommended. The delivery includes a case and a manual in English.

Our X-CHECK product line represents a set of high quality test objects for quality control and acceptance tests of X-ray installations according to the international standard series IEC 61223-2 and -3. In times when more and more questions are asked about the harm of X-rays, everything should be done to avoid unnecessary radiation load of patients. It is not just fulfilling the regulations, it is a question of showing responsibility.

Ordering Information

L981323 X-CHECK PRO base package
test object for acceptance tests of radiography and
fluoroscopic X-ray equipment
T11007 CONNY II Dosimeter, battery operated

Specification

- ▶ Type of product X-ray test object according to IEC 61223-3-1* and DIN 6868-50
- ▶ Application Acceptance tests of X-ray equipment for radiographic and radiosopic systems
- ▶ Structures 10 mm grid (radiological viewable), field size lines (optical viewable), cross hair with tolerance circle, line group test pattern (L659099), circles with different optical densities
- ▶ Attenuation plates according to DIN 6815
 - 25 mm aluminum
 - 50 mm PMMA
 - 1.5 mm copper
- ▶ Dimensions: (H x W x D)
 - Structure plate 8 mm x 300 mm x 300mm
0.31 in x 11.81 in x 11.81 in
 - Al phantom 25 mm x 250 mm x 250 mm
0.98 in x 9.84 in x 9.84 in
 - PMMA phantom 50 mm x 250 mm x 250 mm
1.97 in x 9.84 in x 9.84 in
 - Cu plate 1.5 mm x 250 mm x 250 mm
0.06 in x 9.84 in x 9.84 in
- ▶ Test pattern:
 - Resolution (0.5 ... 10) LP/mm**
 - Lead thickness 0.05 mm
 - Size 2 mm x 50 mm x 50 mm
0.08 in x 1.97 in x 1.97 in
- ▶ Height over all 286 mm; 11.26 in
- ▶ Weight 12 kg, 26.5 lbs approx.

*IEC 61223-3-1: "Evaluation and routine testing in medical imaging departments: Acceptance tests - Imaging performance of X-ray equipment for radiographic and radiosopic systems"

** line pairs per mm