



X-CHECK FLU X-CHECK RAD X-CHECK MAM

*Test objects for quality control of
X-ray installations according to
IEC 61223-2-9/10/11*

Features

- ▶ Simulate the patient with respect to attenuation and hardening of the radiation beam
- ▶ Provide information related to the imaging geometry and quality by containing specific detailed test components
- ▶ Comply with IEC 61223-2-9/10/11*
- ▶ Suitable for overcouch, undercouch and wallstand installations (FLU, RAD)
- ▶ Can be used together with the CONNY II dosimeter

Our X-CHECK product line represents a set of high quality test objects for quality control of X-ray installations according to the international standard series IEC 61223-2. 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. Condition for this is the consistent and safe performance of X-ray equipment. With the help of our X-CHECK test objects you are a big step closer to this goal. It is not just fulfilling the regulations, it is a question of showing responsibility.

The test objects include special structures according to the requirement of the used X-ray technique. Therefore you find different test objects for different applications. In addition several attenuation plates are included to simulate the attenuation and beam hardening caused by the patient. Where necessary special fixation parts for wall stands or undercouch tubes are included. For entrance dose measurement the X-CHECK can be used together with the CONNY II dosimeter while the detector is placed on the test object. The delivery includes a manual in English.

Ordering Information

L981319 X-CHECK FLU base package for fluoroscopic and indirect radiographic X-ray equipment
L981320 X-CHECK RAD base package for direct radiographic X-ray equipment
L981321 X-CHECK RAD/FLU base package for radiographic and fluoroscopic X-ray equipment
L981322 X-CHECK MAM base package for mammographic X-ray equipment
T11007 CONNY II Dosimeter, battery operated

Specification

- ▶ Type of product X-ray test objects according to IEC 61223* series
- ▶ Application
 - X-CHECK FLU Constancy checks of fluoroscopic and indirect radiographic X-ray equipment according to IEC 61223-2-9
 - X-CHECK RAD Constancy checks of direct X-ray equipment according to IEC 61223-2-11
 - X-CHECK MAM Constancy checks and acceptance tests of mammographic X-ray equipment according to IEC 61223-2-10 and IEC 61223-3-2
- ▶ Dimensions of structure plates (H x W x D)
 - X-CHECK FLU 9 mm x 300 mm x 300 mm
0.35 in x 11.81 in x 11.81 in
 - X-CHECK RAD 8 mm x 300 mm x 300 mm
0.31 in x 11.81 in x 11.81 in
 - X-CHECK MAM 6 mm x 220 mm x 105 mm
0.24 in x 8.66 in x 4.13 in
- ▶ Thickness of attenuation plates
 - X-CHECK FLU 30 mm, 1.18 in (PMMA)
1.3 mm, 0.05 in (Cu)
 - X-CHECK RAD 30 mm, 1.18 in (PMMA)
1.3 mm, 0.05 in (Cu)
 - X-CHECK MAM 20 mm, 0.79 in (PMMA)
40 mm, 1.58 in (PMMA)

*IEC 61223: "Evaluation and routine testing in medical imaging departments"
Part 2-9: "Constancy tests - Equipment for indirect radiology and indirect radiography"
Part 2-10: "Constancy tests - X-ray equipment for mammography"
Part 2-11: "Constancy tests - Equipment for general direct radiography"