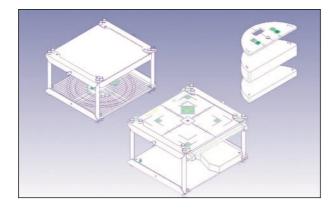
PIWFREIBURG



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 dosemeter

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 dosemeter 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 Dosemeter, battery operated

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

Specification

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	$(H \times W \times D)$
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	3
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 radioscopy and indirect radiography"

Part 2-10: "Constancy tests - X-ray equipment for mammography"

Part 2-11: "Constancy tests - Equipment for general direct radiography"

PTW-Freiburg, Loerracher Str. 7, D-79115 Freiburg, Germany Phone: +49-761-49055-0, Fax: +49-761-49055-70 E-mail: ptw@ptw.de, Web: www.ptw.de