Pro-RF FluoCDRH

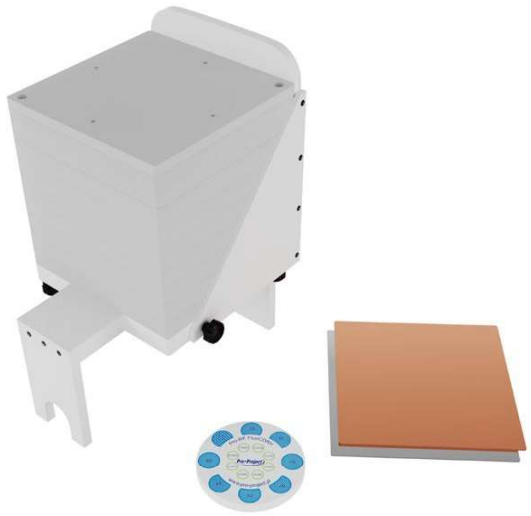
02-207

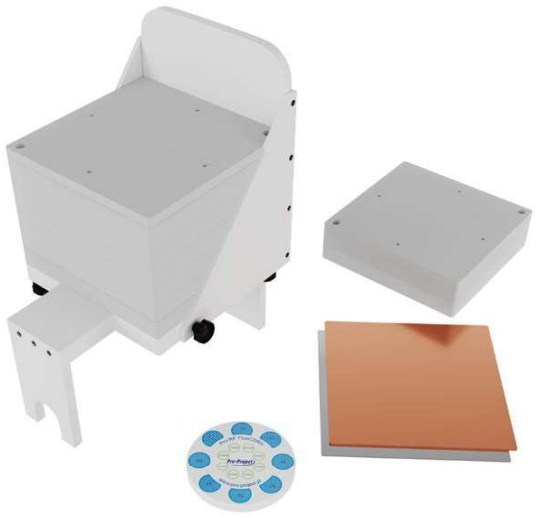
The compact and easy to use phantom for **performance evaluation of fluoroscopic systems according to Center for Devices and Radiological Health (CDRH) specifications** . It also meets recommendations of **AAPM Report No. 60 "Instrumentation Requirements of Diagnostic Radiological Physics"** . It is optimized for both under- and over-table fluoroscopic tubes.

Technical data (can be modified to customer specifications):

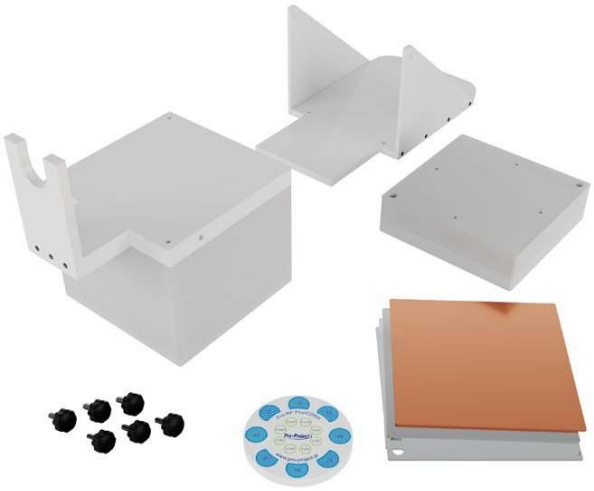
- set of acrylic plates making total thickness of 193 mm
- thanks to modular construction different total thicknesses can be easily set up
- size of acrylic plates is 177.8 x 177.8 mm
- 2x 2.3 mm aluminium filters can be screwed underneath the acrylic plates
- four beads embedded on the top plate can be used as orientation points for collimation setup
- phantom stands on two legs 100 mm above tabletop
- one leg is a probe holder
- back plate with a handle can be easily unscrewed for over-table measurements
- additional 1.6 mm copper filter simulates the presence of a 2 mm thick layer of barium sulfate, and can be used to measure the air kerma rate (free in air)
- 3.2 mm lead plate simulates maximum attenuation, and can be used to measure the maximum air kerma rate (free in air)
- two types of a fluoroscopic image quality test object containing 8 low-contrast holes in an aluminium disc and 8 high contrast meshes or a high contrast resolution lead plate (from 0.6 to 5.0 LP/mm).
- heavy duty carrying case

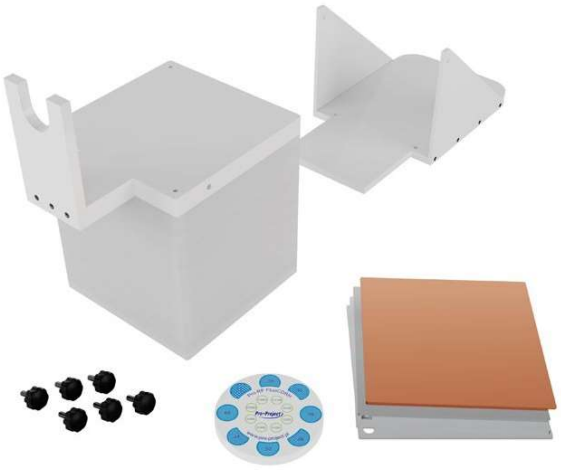
Under-table set up





Over-table set up





Product features:

- Complies with:
  - Nationwide Evaluation of X-ray Trends (NEXT) Protocol for 2003 Survey of Fluoroscopic X-Ray Systems
  - IEC 61223-3-1
  - AAPM Report No. 60 “Instrumentation Requirements of Diagnostic Radiological Physics”

- the Manual provides detailed guidelines for carrying out each test, results assessment and registrationt