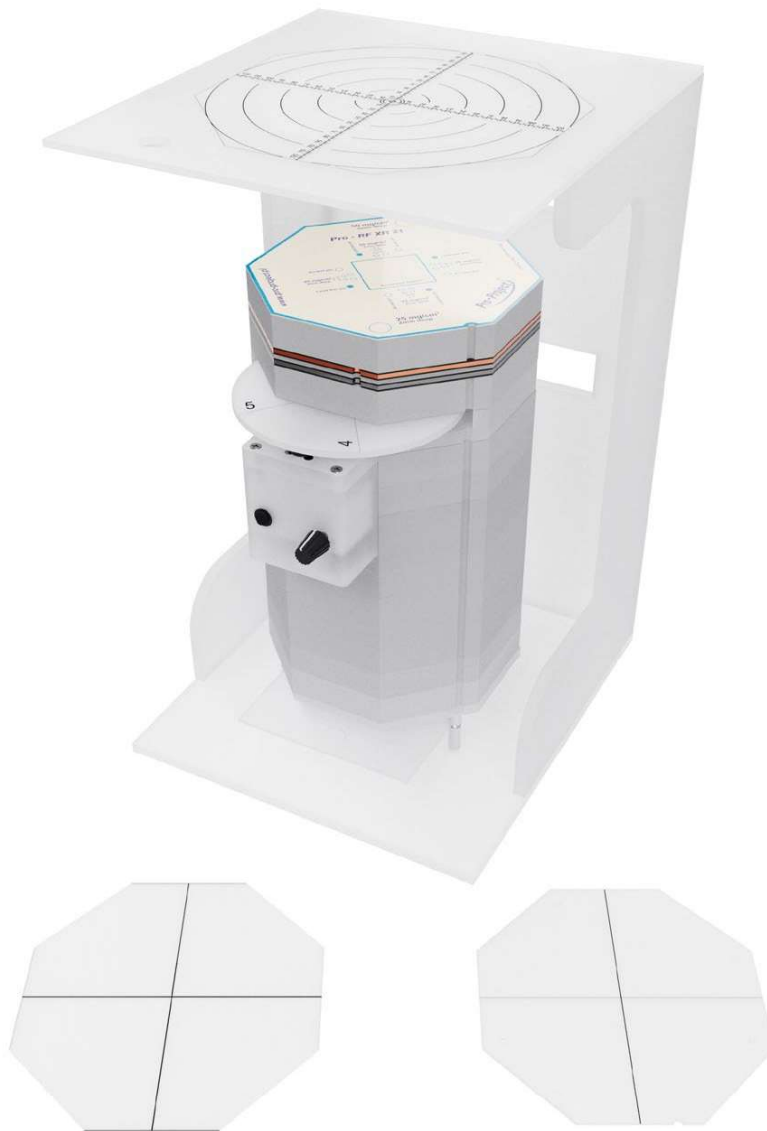




Pro-RF XR21

02-220



The phantom has been designed in accordance with the NEMA XR21 standard . This modular phantom made of PMMA consists of several plates allowing variation of phantom thickness setup in steps of 25 mm, up to a total of 300 mm, simulating a range of patient sizes.

It can be used to measure:

- collimation/beam alignment
- position and size of the effective radiation field
- dynamic range
- spatial resolution
- contrast resolution
- homogeneity
- beam quality



Technical data (can be modified to customer specifications):

- central target assembly - 1 piece
- WTR plate A - 25 mm test object - 1 piece
- WTR plate B - 25 mm plate with Al and Air cylinders - 1 piece
- WTR plate C - 25 mm plate with Al and Air cylinders - 1 piece
- WTR plate D - 25 mm plate with Air cylinders - 3 piece
- WTR plate E - 25 mm plate with Air cylinders - 1 piece
- blank 25 mm PMMA plate with alignment parts - 4 pieces
- field size plate - 1 piece
- alignment target for test stand - 1 piece
- alignment cross for test stand - 1 piece
- alignment target for small base - 1 piece
- alignment cross for small base - 1 piece
- test stand - 1 piece
- small base - 1 piece
- 3 mm thick lead plate with laminate - 1 piece
- 2 mm thick copper plate with laminate - 1 piece
- alignment pins (including spares) - 100 pieces
- heavy duty carrying case

- complies with:
 - NEMA Standards Publication (NU 1-2001) Performance Measurements of Scintillation Cameras
 - NEMA Standards Publication (NU 1-2012) Performance Measurements of Scintillation Cameras
 - AAPM Report No. 15 - Performance Evaluation and Quality Assurance in Digital Subtraction Angiography - Diagnostic X-Ray Imaging Committee/Digital Radiography/ Fluorography Task Group
 - Report NO. 60 Instrumentation Requirements of Diagnostic Radiological Physicists
 - Report NO. 31 by the American Association of Physicists in Medicine (AAPM)
- the Manual provides detailed guidelines for carrying out each test, results assessment and registration