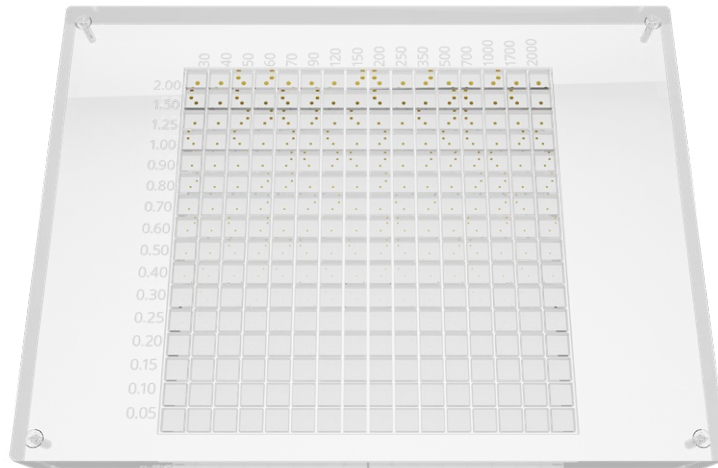


Pro-MAM Gold

03-401



Contrast details mammography phantom according to **European Protocol** for quality assurance in Digital Mammography. It can be used to determine if mammographic images indicate objects with very low contrast and very small diameter, to find out the optimum exposure technique, or to compare image quality at various object thicknesses by varying the PMMA thickness.

Product highlights:

- unmatched accuracy – up to 30 times better than other products on the market
- gold disc objects positioned as per EUREF specs
- objects' diameter, thickness and layout can be modified according to individual specifications
- no materials other than PMMA are used, so there is no need to calculate PMMA-equivalent attenuation for other materials such as aluminium
- for full-field analog and digital units
- Pro-Control software provides automatic and semi-automatic analysis of phantom's images, providing all the necessary information like Contrast-Details curve, making quality assurance simple and quick

Technical data (can be modified to customer specifications):

- main PMMA module size: 240 x 180 x 20 mm
- main module contains gold (99.99%) discs organized in a 16 x 16 matrix (diameter x thickness) placed at a depth of 10 mm
- one or multiple discs per cell configuration
- discs have the following standard diameters: 0.05, 0.1, 0.15, 0.2, 0.25, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, 1.0, 1.25, 1.5 and 2.0 mm
- discs have the following standard thicknesses: 30, 40, 50, 60, 70, 90, 120, 150, 200, 250, 350, 500, 700, 1000, 1700 and 2000 nm
- diameter accuracy 0.001 mm (1 μ m)
- thickness accuracy: 0.1 nm (0.0001 μ m)
- 2 additional 240 x 180 x 10 mm PMMA plates
- 2 additional 240 x 180 x 5 mm PMMA plates
- carrying case

Product features:

- Complies with:
 - 4th edition of the European Guidelines for Quality Assurance in Breast Cancer Screening and Diagnosis (EPQC)
 - EUREF type test protocol version 1.2
 - IEC 61223-3-2
 - NHSBSP Equipment Report 0604, Commissioning and Routine Testing of Full Field Digital Mammography Systems Published April 2009 (Version 3)
- the Manual provides detailed guidelines for carrying out each test, results assessment and registration