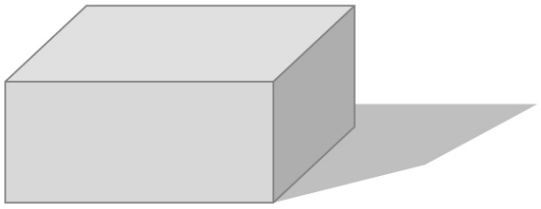
QUART
Quality Assurance in Radiological Technologies

Scales & Utilities

Mammography Compression Force Test Set



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Scales & Utilities

The set to measure compression force of mammography systems was compiled to meet all requirements of DIN 6868-152 and 6868-7 as well as IEC 61223-3-2 and 61223-2-10.

The compression force of mammography systems is regularly to be measured in both automatic and manual mode to assure accuracy and reliability. Appropriate compression of the breast is one of the essential parameters to achieve an ideal imaging quality in mammography.

The test set consists of a foam cube featuring pre-defined size and density, electronic scales to fit the bucky, and a tape measure.

The scales with an easy-to-read LCD display are used to measure the mechanical force of the mammography compression system. The recommended compression force per DIN standard can be checked as well as the maximum force which is not to be exceeded. The top plate of the scales can be cleaned or sanitised.

SCALES - Technical Specifications

Type	L	S
_ Size:	320 x 300 x 60 mm	228 x 205 x 71 mm
_ Platform Size:	320 x 260 mm	203 x 160 mm
_ Measuring Range:	0 - 490 N (or 0 - 50 kg)	0 - 245 N (or 0 - 25 kg)
_ Resolution:	0.2 N (or 20 g)	0.1 N (or 10 g)
_ Reproducibility:	± 0.8 N (or ± 80 g)	0.1 N (or 10 g)
_ Unit:	kg	kg / lb / oz / lb:oz
_ Power Supply:	6x 1.5 V AA batteries (standard configuration) or 9V 300mA mains adaptor (not included)	4x C batteries (standard configuration) 5V-9V/100 mA mains adaptor (not included)
_ Weight:	1.5 kg	0.95 kg
_ Operating Conditions:	+5…+35°C / 80% humidity, non-condensing	+10…+40°C / 80% humidity, non-condensing
_ Calibration:	User calibratable (external calibration ref. required)	

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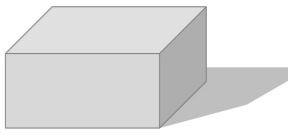
FOAM BLOC - Technical Specifications

_ Size:	80 x 80 x 40 mm
_ Density:	30 ± 5 kg/m³
_ Compression Strength:	5.0 ± 1.0 kPa



TAPE MEASURE - Specifications

_ Unit:	cm / m
_ Length:	2 m
_ Resolution:	0.01 cm (1 mm)

DELIVERY SCOPE

- Electronic Scales
- Foam Bloc
- Tape Measure
- Manual
- Calibration Certificate (Only with „ref“ version)

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