

SSMC 501 (Telamat B3-C)

The Claymount SSMC 501 is the world thinnest AEC detector panel. A solid state measuring chamber, build of special carbon material, intended to measure the dose of x-rays used in real time operation within the Medical Radiology, Oncology and Chiropractors.

Features

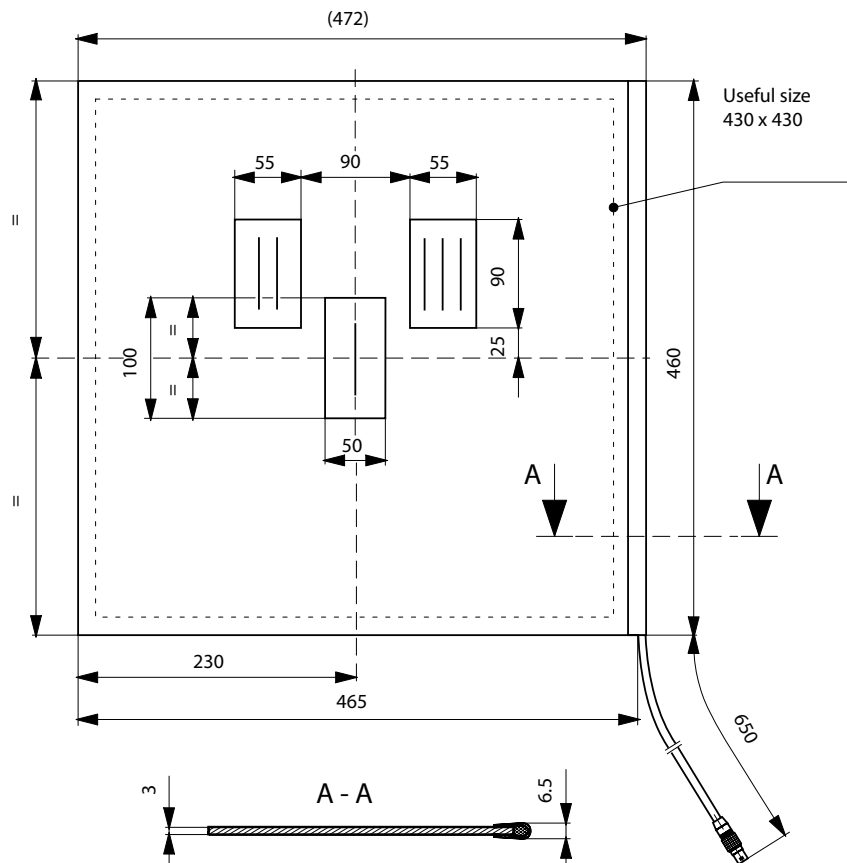
- Invisibility.
- Little absorption.
- Highly efficient.
- Scatter free.
- Mechanically stable.
- Very reliable.
- User friendly.

Description

The SSMC 501 is placed between the patient and the imaging device (film, detector) in order to detect the actual dose value for the automatic exposure control (AEC) an error free image is guaranteed even at low kV. Its attenuation factor is very low. X-ray scattering has been brought back to the bare minimum, to improve the brightness of the image. Its design and reliability has proven itself in the installed base of 30.000 units within today's toughest radiology environments and will meet the strongest requirements of tomorrow.

Outline Drawing SSMC 501

Dimensions in mm



Technical data SSMC 501

Number of measuring fields	3
kV range	40 – 150 kV
Exposure time range	< 1 ms – 5 s
Sensitivity typ. at 80 kV, 25 mm Al	2.3 nA/μGy/s
Sensitivity tolerance from chamber to chamber	≤ ± 25%
Sensitivity tolerance between measuring fields	≤ 10%
Attenuation factor as per DIN 6811, part 1	≤ 1.05
Operating temperature	+10 – +40° C
Storage temperature	-20 – +60° C
Humidity	35 – 85% (non condensing)
Atmospheric pressure	860 – 1060 hPa
Mounting orientation	Any
Degree of protection	Ordinary equipment
Weight	1.000 g
Plug Pinout	
Field I (center)	Pin 1 and 6
Field II (left)	Pin 2 and 5
Field III (right)	Pin 3 and 4
Shield	Gnd