



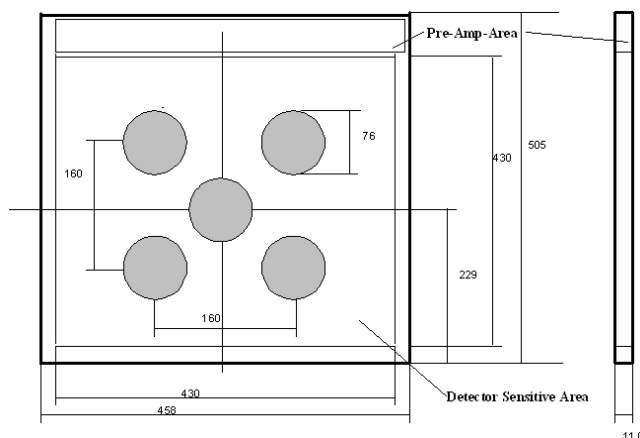
Philips Amplimat 5-Field Ionization Measuring Chamber

Product Highlights

- Solutions for RAD applications
- Not visible in DR applications
- Extremely reliable
- Five field for conventional technique

Technical Data

Philips Amplat 5-field	
Number of measuring fields	5
Sensitivity typical at 70 kV, 21 mm Al	0,6V/mGy
Dose signal range	0.08 to 10V
Dose range	0.5 to 15 ?Gy
Sensitivity tolerance between measuring fields	10%
Absorption equivalent to aluminum	0,8 mm
kV range	40 – 150 kV
Exposure time range	1 ms – 6 s
Shortest exposure time	$\leq 1,5$ ms dose accuracy $\leq \pm 20\%$
Reaction time	$\leq 0,8$ ms no dose accuracy
Difference in optical density caused by electrodes	Not visible
Response time of dose rate signal	0.25 ms
Signal frequency	Up to 100 exposures / s
Reproducibility	1%
Long term stability	10%
Ionization voltage	360 V – 440 V
Current (for chamber)	0,1 mA max.
Supply voltage	Supply voltage ± 15 V
Extended range	12 V – 16 V
Current	Typical 40 mA max.
Peak Current	400 mA -15V/200 mA +15V peak
Accuracy	< 5 mV
Cable length	Max. 30m
Environment conditions	Environment conditions
Temperature	10 – 40°C
Humidity	Max. 85 % rel. H.
Atmospheric pressure	700 – 1080 hPa
Weight	1,8 kg



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