



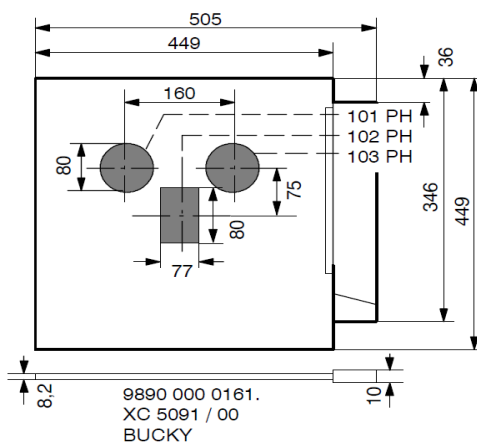
Philips Amplat 3-Field Ionization Measuring Chamber

Product Highlights

- Extremely reliable
- Solutions for RAD applications
- Three field for conventional technique

Technical Data

Philips Amplat 3-Field	
Number of measuring fields	3
Sensitivity typical at 80 kV, 25 mm Al	0,17 V/mGy
Sensitivity typical lateral fields	- 17 %
Dose signal range	0,02 to 12,0 V
Sensitivity tolerance between measuring fields	? 15 %
Attenuation factor	? 1,04
Absorption equivalent to aluminum	? 0,35 mm
kV range	40 – 150 kV
Exposure time range	1 ms – 6 s
Difference in optical density caused by electrodes	Not visible on film
Response time of dose rate signal	? 0.25 ms
Exposure frequency	? 100 exposures/s
Reproducibility	+/- 1 %
Long term stability	+/- 10 %
Signal to noise ratio	Max.5 mV
Offset Voltage	Max.10 mV
Ionization voltage	400 V
Absolute tolerance	+/- 10 %
Ripple	< 1 %
Current	0,1 mA max.
Supply voltage	+/- 15 V
Absolute tolerance	+/- 10 %
Current	10 mA max.
Cable length	10, 15, 25 meter
Environmental temperature	10 – 40 °C
Humidity	Max. 85 % rel. H.
Atmospheric pressure	920 – 1080 hPa
Weight	1,3 kg



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