

# Visi-X

## Field Position Analyzer that Saves Time and Money



The Visi-X measures the alignment between radiation and light field and is a proven concept in Quality Control and Service. It is a cassette shaped instrument for checking the light and radiation field coincidence for X-ray equipment. The Visi-X can also be used for checking of the centering of the bucky tray.



The Visi-X is based on a after-glowing phosphorus screen. Simply darken the X-ray room and place your Visi-X under the X-ray tube. Adjust the light field and make your exposure. The radiation field will immediately be visualized by the glow of the special phosphor compound. Misalignment down to  $\pm 1$  mm will be clearly shown on the built-in scales

(afterglow will last for several minutes.) No film is needed; therefore, no time is lost going back and forth to the film developer, if there is one.

## Details

The phosphor is non-radioactive and is covered by perspex plates. A daylight filter filter protects the phosphor from accidental excitation from light sources. The lifetime expectancy of the phosphor is not affected by light or X-rays having an energy within the recommended range.

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Detection phosphor Afterglowing rare-earth

Emission color	Green
Operating temperature	15 - 45 °C
Dimensions	320 x 276 x 11 mm (without daylight filter)
Equivalent cassette size	24 x 30 cm
Weight	1.4 kg
Other	Daylight filter, magnetic lock, ruler, documentation chart
Option	Carrying case

Field Position Analyser

Field positioning inaccuracy	$< \pm 0.5$ mm
Centering inaccuracy	$< \pm 0.5$ mm
Scale range	
circular fields	5-6 cm diameter
square fields	5 x 5, 10 x 10, 15 x 15 and 20 x 20 cm
indicated deviation	$\pm 10$ mm
Scale inaccuracy	$\pm 0.1$ mm
Recommended output	130 $\mu$ Gy/mAs at 100 kVp and 75 cm S.I.D.
Usable energy range	15 - 200 keV