

Pro-CT Model Comparison



Module	Test / Measurement	Pro-CT 500	Pro-CT 600	Pro-CT 700
Sensitometry	CT number (HU) measurement	✓	✓	✓
	Linearity	✓	✓	✓
Homogeneous water	Noise / Uniformity	✓	✗	✗
	Artefacts	✓	✗	✗
Homogeneous Pro-water	Noise / Uniformity	✗	✓	✓
	Artefacts	✗	✓	✓
Low contrast	Low contrast resolution	✓	✓	✓
	Contrast resolution	✓	✓	✓
	CNR	✓	✓	✓
Resolution	Spatial resolution 1-22 LP/cm	✓	✓	✗
	Spatial resolution 1-30 LP/cm	✗	✗	✓
	PSF (beads)	✓	✓	✓
Geometry	Geometric distortion	✓	✓	✓
	Slice profile	✓	✓	✓
	Slice profile with bead ramps	✗	✓	✓
	Alignment	✓	✓	✓
	Beamwidth	✓	✓	✓
	Spatial resolution in Z dimension	✓	✓	✓
	MTF	✓	✓	✓
	SSP, LSF, PSF	✓	✓	✓
Electron Density	Electron density	✗	✗	✗
Fourier/wave	Wave calculations	✗	✗	✓
	Distance PSF (six beads)	✗	✗	✓