

Ultima IV specifications

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|-----------------|---------------------------|--|
| X-ray generator | Maximum rated output | 3 kW |
| | Rated tube voltage | 20 - 60 kV |
| | Rated tube current | 2 - 60 mA |
| | Target | Cu (others: optional) |
| | Focus size | 0.4 x 12 mm (others: optional) |
| Goniometer | Scanning mode | θ_s/θ_d coupled or θ_s , θ_d independent |
| | Goniometer radius | 285 mm |
| | 2θ measuring range | -3 to 162° (maximum) |
| | Minimum step size | 0.0001° |
| Optics | Divergence slit | Fixed or automatic variable |
| | Scattering slit | Fixed or automatic variable |
| | Receiving slit | Fixed or automatic variable |
| | Optics alignment | Automatic alignment of tube height, goniometer, optics and detector |
| | Monochromator | Dual position graphite diffracted beam monochromator for Cu (others: optional) |
| Detector | Detector | Scintillation counter (others: optional) |
| Dimensions | H x W x D | 1600 x 1100 x 800 mm |
| | Sample height | 1050 mm |