YXLON.TU 160-P01
End Grounded Metal-Ceramic X-Ray Tube

Dimensions in mm

From plastics to light alloys and up to steel, end grounded metal-ceramic X-ray tubes from YXLON International cover a wide inspection range.

TU 160-P01 is a panoramic beam X-ray tube with small focal spot size and specially suited for the inspection of pipes.

Providing a high level of mechanical and electrical strength YXLON X-ray tubes are both compact and lightweight.

Together with the YXLON generators, power supplies and control units the X-ray tubes form powerful systems, setting the standards in reliability, lifecycle and service.
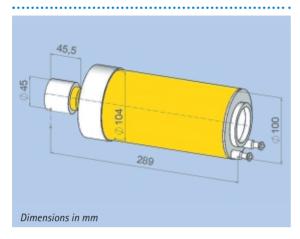
YXLON. The reason why.

- **High Penetration Power**
- **Long Lifecycle**
- **High Reliability**
- **Extensive Service**

Y.TU 160-P01

Technical Data

Y.TU 160–P01

Dimensions in mm

Loading data: shown are the max. permissible anode currents. Within the X-ray system these anode currents may be limited by power suppliers or generators.

Max. tube voltage	160 kV
Focal spot size	
(acc. EN12543)	4.0 mm (0.4 mm x 4.0 mm)
(acc. IEC336)	–
Max. power (focus)	1.0 kW
Max. tube current at 160 kV	6.25 mA
Emergent beam angle	40 ° x 360 °
Inherent filtration	0.5 mm Ti + 2.0 mm H_2O + 2.0 mm Al
Leakage radiation[1]	< 2.5 mSv/h
Coolant	Water
Max. inlet temperature	45 °C
Min. flow rate	4 l/min
Enviromental Conditions	
Operation temperature	–10 °C...+40°C
Storage temperature	–25 °C...+70°C
Relative humidity	
- Operation	90 %
- Storage	95 %
Weight	8 kg
H.V. connection[2]	Flange R12
Approval	PTB
Order No.	9421 172 30503

[1] Measured at 1.0 m distance from the focal spot with X-ray port closed and X-ray tube operating at full load.

[2] Quick-lock adapter available