

ULTRA-COMPACT AND VERSATILE APPLICABLE CP 120 B/CP 160 B

PORTABLE X-RAY GENERATORS



*Available exclusively
in a bundle with an
X-ray imaging device
and software*

Digital Intelligence - Ready to Change.
www.duerr-ndt.com



Technical data

CP 120 B

CP 160 B

Output voltage range	40 - 120 kV	40 - 160 kV
Dimensions (H x W x D)	227 x 155 x 470 mm (8.9 x 6.1 x 18.6")	227 x 155 x 520 mm (8.9 x 6.1 x 20.5")
Dimensions tube head (Ø x D)	124 x 440 mm (4.9 x 17.3")	124 x 490 mm (4.9 x 19.3")
Weight (including battery)	7.6 kg (16.8 lbs)	9.3 kg (20.5 lbs)
Tube current range	0.1 to 1.0 mA	0.1 to 0.5 mA
Tube current at full output	1.0 mA	0.5 mA
Maximum power at anode	120 W	80 W
Steel penetration (max. power)	10 mm (0.4") *	21 mm (0.8") *
Aluminum penetration (max. power)	60 mm (2.4") **	100 mm (3.9") **
Maximum useful angle	50 x 50 °	60 x 60 °
Optical focal spot	0.8 mm (0.031")	
Constant power mode	Yes	
Leakage dose at 1 m at full output	< 2.0 mSv/h	
Inherent filtration	3.5 Equiv. mm Al	
Protection level	IP54	
Max. continuous exposure time	300 sec	
Working time at full power	15 min @ 20°C until low battery	
Scope of supply	Hermetic reinforced carrying case, battery, battery charger	
Accessories	Power supply, trigger cable (30 m), X-ray filters, adjustable collimator, tripod	

* SFD/SDD=400 mm, Film=AA400, D=2, T=1 min ** SFD/SDD=400 mm, Film=D7, D=2, T=1 min

Important features

- ✓ Constant potential output 120 kV@ 1 mA/160 kV@0.5 mA
- ✓ 50° x 50°/60° x 60° directional beam
- ✓ 0.8 mm focal spot
- ✓ Optimized for digital radiographic imaging
- ✓ Compact and intelligent design for easy positioning
- ✓ Rugged and shock absorbing handle fixture



The tube can be equipped with a filter/lead cap.



Versatile positioning options and easy alignment of the X-ray output by adjusting the rotation in the handle fixture.



Power supply for use without battery.

DÜRR NDT GmbH & Co. KG
Höpfigheimer Straße 22
74321 Bietigheim-Bissingen
Germany

info@duerr-ndt.com
www.duerr-ndt.com

