

# 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](http://www.duerr-ndt.com)

 DÜRR  
NDT

## Technical data

## CP 120 B

## CP 160 B

<b>Output voltage range</b>	40 - 120 kV	40 - 160 kV
<b>Dimensions (H x W x D)</b>	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")
<b>Dimensions tube head (Ø x D)</b>	124 x 440 mm (4.9 x 17.3")	124 x 490 mm (4.9 x 19.3")
<b>Weight</b>	7 kg (15.3 lbs)	9.2 kg (20.1 lbs)
<b>Tube current range</b>	0.1 to 1.0 mA	0.1 to 0.5 mA
<b>Tube current at full output</b>	1.0 mA	0.5 mA
<b>Maximum power at anode</b>	120 W	80 W
<b>Steel penetration (max. power)</b>	10 mm (0.4") *	21 mm (0.8") *
<b>Aluminum penetration (max. power)</b>	60 mm (2.4") **	100 mm (3.9") **
<b>Maximum useful angle</b>	50 x 50 °	60 x 60 °
<b>Optical focal spot</b>	0.8 mm (0.031")	
<b>Constant power mode</b>	Yes	
<b>Leakage dose at 1 m at full output</b>	< 2.0 mSv/h	
<b>Inherent filtration</b>	3.5 Equiv. mm Al	
<b>Protection level</b>	IP54	
<b>Max. continuous exposure time</b>	300 sec	
<b>Working time at full power</b>	15 min @ 20°C until low battery	
<b>Scope of supply</b>	Hermetic reinforced carrying case, battery, battery charger	
<b>Accessories</b>	Power supply, trigger cable (30 m), X-ray filters, adjustable collimator, tripod	

\* FFD=400 mm / Film=AA400 / D=2 / T=1 min \*\* FFD=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

