



BEST WEIGHT TO POWER RATIO IN THE WORLD



CP SERIES CP160CR

Constant Potential Portable X-Ray Generators



TELEDYNE ICM
Everywhere you look™

Part of the Teledyne Imaging Group

Your inspection becomes a walk in the park



LIGHT-WEIGHT



100% DUTY CYCLE



CONSTANT
POTENTIAL



MULTIPLE-
OUTPUTS
CAROUSEL



RUGGEDIZED



WIDE INPUT
POWER RANGE

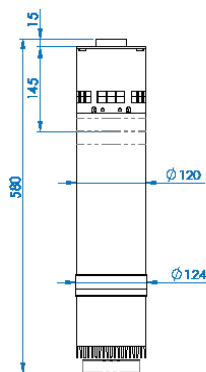
FEATURES

	Unit	CP160CR
Beam	-	Panoramic
Power Supply	-	Battery
Output voltage range	kV	40 to 160
Tube current range	mA	0.5 to 2
Tube current at full output	mA	2.0
Maximum power at the anode	W	320
Constant power mode	-	Yes
Working cycle at 30°C (*)	%	100
Steel penetration (**)	mm/in	28 / 1.10
Weight	Kg/lbs	11.2 / 24.69
Overall dimensions	mm/in	Ø 120 x 688 / 4.7 x 27.1
Leakage dose at 1 m at full output	mSv/h	< 2.0
Optical focal spot according to EN 12543	mm/in	Ø 4 x 0.5 / 0.2 x 0.02
Maximum useful angle	°	360 x (2x20)
Inherent filtration	mm/in	Equiv. 3.5 / 0.1 (Al)
Protection class	-	IP66
Operating temperature	°C/°F	-30 to +60 / -22 to +140
Storage temperature	°C/°F	-40 to +70 / -40 to +158

(*) Open air - airstream 5m/sec.

(**) 700 mm FFD, 10 min., AA400, D=2 for CPD

DRAWINGS



CPRCU

	Unit	CPRCU
Type of power supply	-	Provided by the crawler
Unique supply voltage	VDC	40 to 60
Max. mean current (160 kV/ 2 mA)	A	9
Constant power mode	-	Yes
Direct kV an mA measurements - control accuracy	%	+0.5 / -0.5
Display of programmed parameter	-	Yes
kV, mA programming steps	kV / mA	1 / 0.1
Useful range of the internal preheating timer	min	5 to 60 (1 min steps)
Battery voltage control accuracy	%	+/- 0.5
LCD display with variable contrast	Line x char.	2 x 20
Sensory type keypad	Char.	14
General switch on function	Keys	Provided by the crawler
START, STOP and exposure time functions	-	Provided by the crawler
Semi-automatic preheating at selected kV	-	Yes
Weight	Kg	0.28
Overall dimensions	mm	211 x 100 x 26
Operating temperature	°C	-20 to +70
Storage temperature	°C	-40 to +85

All specifications are non contractual and subject to change without prior notice.

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