



BEST WEIGHT TO POWER RATIO IN THE WORLD



CP SERIES CP300CR

Constant Potential Portable X-Ray Generators



TELEDYNE ICM
Everywhereyoulook™

Part of the Teledyne Imaging Group

Your inspection becomes a walk in the park



LIGHT-WEIGHT



100% DUTY CYCLE



CONSTANT POTENTIAL



RUGGEDIZED



40-145 Vdc INPUT RANGE

FEATURES	Unit	CP300CR
Beam	-	Panoramic
Power Supply	-	Battery
Output voltage range	kV	30 to 300
Tube current range	mA	0.5 to 10
Tube current at full output	mA	2.5
Maximum power at the anode	W	750
Constant power mode	-	Yes
Working cycle at 30°C (*)	%	100
Steel penetration (**)	mm/in	52 / 2.05
Weight	Kg/lbs	29.4 / 64.82
Overall dimensions	mm/in	Ø 180 x 837 / 7.09 x 32.95
Leakage dose at 1 m at full output	mSv/h	< 5.0
Optical focal spot according to EN 12543	mm/in	Ø 0.5 x 5.5 / 0.02 x 0.22
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

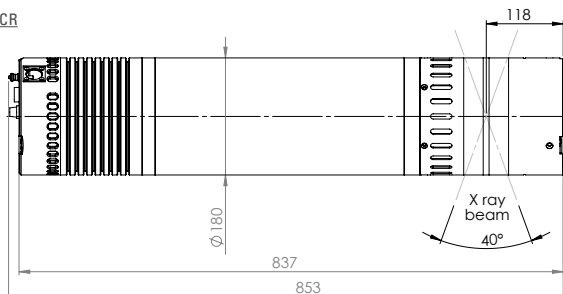
(*) Open air - airstream 5m/sec.

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

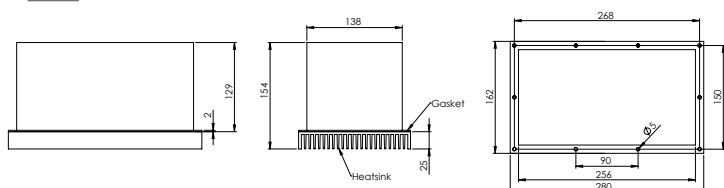
Note: Conversion kit to panoramic unit available

DRAWINGS

CP300CR



CR BOX



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

TELEDYNE ICM

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FEATURES	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/lbs	0.28/0.62
Overall dimensions	mm/in	211 x 100 x 26
Operating temperature	°C/F°	-20 to +70 / -4 to +158
Storage temperature	°C/F°	-40 to +85 / -40 to +185

FEATURES	Unit	CRBOX
Dimensions CrBox	mm/in	280 x 162 x 160 / 11.02 x 6.38 x 6.30
Weight CrBox	Kg/lbs	5.3
Input voltage	Vdc	40-145
Inrush current, max	A	20
Operating temperature	°C/F°	-30 to +60 / -22 to +140
Storage temperature	°C/F°	-40 to +70 / -40 to +158
CrBox-Gen Cable length - option 1	m / ft	1.5 / 4.92
CrBox-Gen Cable length - option 2	m / ft	0.5 / 1.64



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