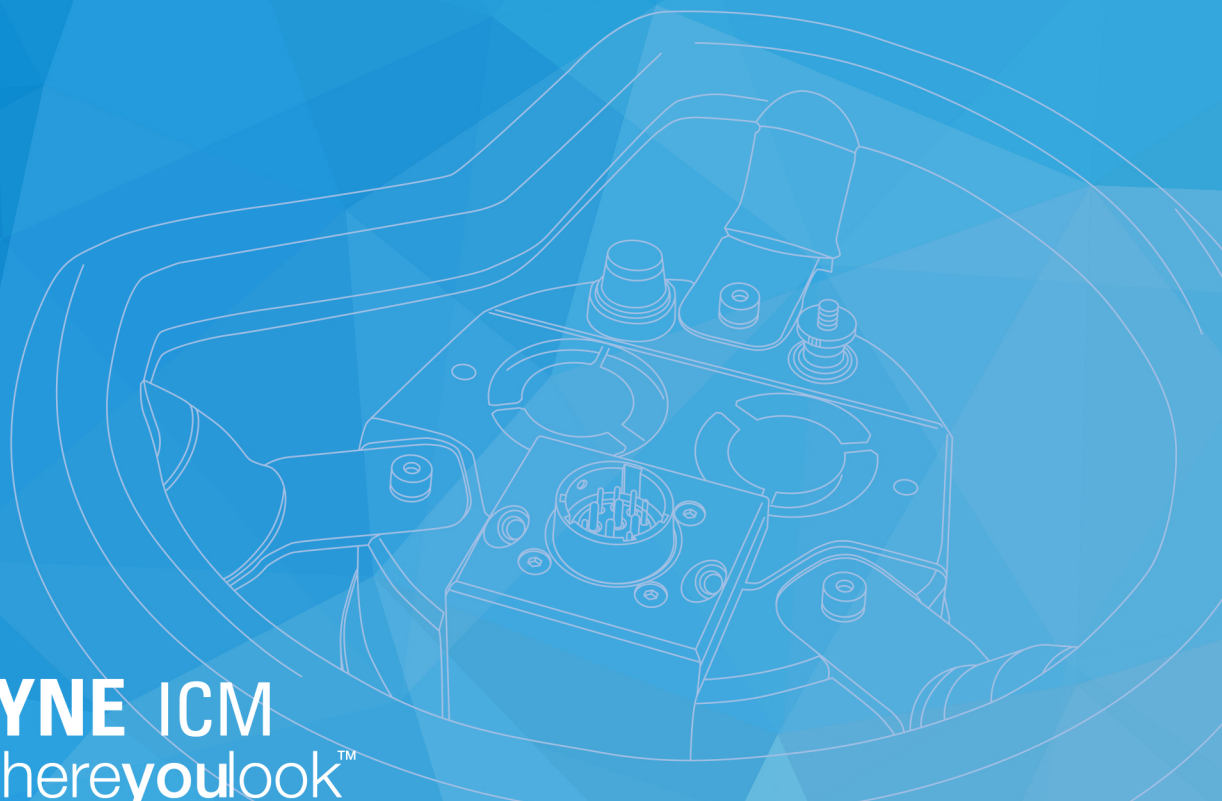


# GET MORE OUT OF X-RAYS

A thousand applications, **one solution**



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# CRAWLER UNITS

PERFECTION ON WHEELS



# PIPELINE INSPECTION

Some pipes can reach up to 12 m/39.4", making welding inspections quite challenging even for expert radiographers. For such daunting tasks, we have adapted our star panoramic generators to pipeline crawlers which are small carriages running down pipelines to the welds needing inspections. Such technique enables quicker and easier inspection of extended pipeline sections.

Specially designed to be easily mounted on crawler systems, the compact and lightweight CP SERIES crawler units enable NDT experts to easily realize clear and sharp 360° radiographies of most pipelines in record time. Radiographers are now able to work quickly while reducing power consumption to a minimum. Our SITEX range has also received the crawler treatment, which enables you to inspect pipelines up to 60 mm/2.7" of steel at unprecedented low price points.

# PRODUCT RANGES / GENERATORS / PANORAMIC UNITS

	Unit	SITEX C1802S	SITEX C3005	SITEXS C3205
BEAM	-	Panoramic	Panoramic	Panoramic
POWER SUPPLY	-	Mains	Mains	Mains
Output voltage range	kV	50 to 180	90 to 300	90 to 320
Tube current range	mA	1 to 3	1 to 5	1 to 5
Tube current at full output	mA	2.0	5.0	5.0
Maximum power at the anode	W	N.A.	N.A.	N.A.
Constant power mode	-	No	No	No
Working cycle at 30°C (*)	%	50	100	100
Steel penetration	mm/in	16.5 / 0.7 ***	60 / 2.4 ***	65 / 2.6 ***
Weight (excluding hand rings)	Kg/lbs	9.5 / 20.9	32 / 70.5	32 / 70.5
Overall dimensions	mm/in	Ø 250 x 653 / 9.8 x 25.7	Ø 346 x 831 / 13.6 x 32.7	Ø 346 x 831 / 13.6 x 32.7
Leakage dose at 1 m at full output	mSv/h	< 2.0	< 10	< 10
Optical focal spot according to EN 12543	mm/in	Ø 4 x 0.5 / 0.2 x 0.02	Ø 5 x 0.8 / 0.2 x 0.03	Ø 5 x 0.8 / 0.2 x 0.03
Maximum useful angle	°	360 x (2x20)	360 x (2x20)	360 x (2x20)
Inherent filtration	mm/in	Equiv. 3.5 / 0.1 (Al)	2.5 (Al)+0.4 (Ni)/0.1+0.02	2.5 (Al)+0.4 (Ni)/0.1+0.02
Waterproof level	-	IP65	IP65	IP65
Operating temperature	°C/F°	-25 to +70 / -13 to +158	-25 to +70 / -13 to +158	-25 to +70 / -13 to +158
Storage temperature	°C/F°	-40 to +80 / -40 to +176	-40 to +80 / -40 to +176	-40 to +80 / -40 to +176
Guard rings	-	2	2	2

(\*\*\*) 700 mm FFD, 20 min, AA400, D=1.5 for SITEX and SITEXS

# CRAWLER UNITS

	Unit	SITEX CP160CR	SITEX C1802	SITEX C3003
BEAM	-	Panoramic	Panoramic	Panoramic
POWER SUPPLY	-	Battery	Battery	Battery
Output voltage range	kV	40 to 160	50 to 180	90 to 300
Tube current range	mA	0.5 to 2	1 to 3	1 to 5
Tube current at full output	mA	2.0	2.0	3.0
Maximum power at the anode	W	320	N.A.	N.A.
Constant power mode	-	Yes	No	No
Working cycle at 30°C (*)	%	100	50	100
Steel penetration	mm/in	28 / 1.10 ***	11 / 0.4 ***	54 / 2.1 ***
Weight (excluding hand rings)	Kg/lbs	9.9 / 21.8	9.5 / 20.9	32 / 70.5
Overall dimensions	mm/in	Ø 120 x 688 / 4.7 x 27.1	Ø 250 x 653 / 9.8 x 25.7	Ø 346 x 831 / 13.6 x 32.7
Leakage dose at 1 m at full output	mSv/h	< 2.0	< 2.0	< 10
Optical focal spot according to EN 12543	mm/in	Ø 4 x 0.5 / 0.2 x 0.02	Ø 4 x 0.5 / 0.2 x 0.02	Ø 5 x 0.8 / 0.2 x 0.03
Maximum useful angle	°	360 x (2x20)	360 x (2x20)	360 x (2x20)
Inherent filtration	mm/in	Equiv. 3.5 / 0.1 (Al)	Equiv. 3.5 / 0.1 (Al)	2.5(Al)+0.4(Ni)/0.1+0.02
Waterproof level	-	IP66	IP65	IP65
Operating temperature	°C/°F°	-30 to +60 / -22 to +140	-25 to +70 / -13 to +158	-25 to +70 / -13 to +158
Storage temperature	°C/°F°	-40 to +70 / -40 to +158	-40 to +80 / -40 to +176	-40 to +80 / -40 to +176
Guard rings	-	/	/	/

(\*\*\*) 700 mm FFD, 20 min, AA400, D=1.5 for SITEX and SITEXS