

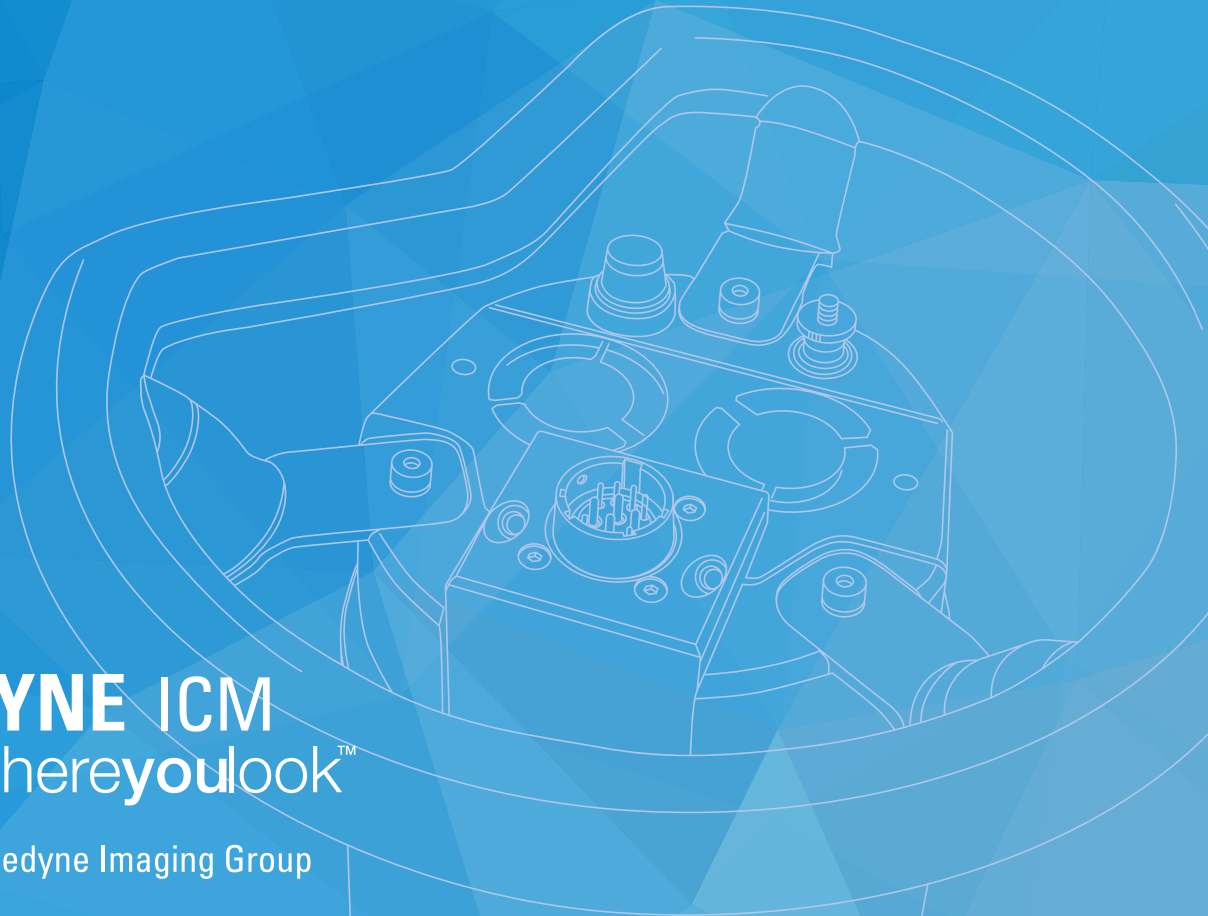
GET MORE OUT OF X-RAYS

A thousand applications, **one solution**



TELEDYNE ICM
Everywhere **you** look™

Part of the Teledyne Imaging Group





INNOVATIVE



LIGHT



USER-FRIENDLY



SAFE

*"Our mission, at **TELEDYNE ICM**, is to facilitate professionals' lives by providing innovative, user-friendly, and safe x-ray solutions, while accompanying them throughout the use of our products."*

THORSTEN ACHTERKIRCHEN - EXECUTIVE VICE PRESIDENT & GENERAL MANAGER





CP SERIES

THE LIGHTEST PARTNER





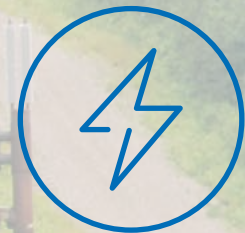
12 > 23 KG
26.5 > 50.7 LBS



100% DUTY CYCLE



MULTIPLE-OUTPUTS
CAROUSEL



10 TO 300 kV



OIL & GAS

With miles upon miles of welded pipelines, hundreds of gas tanks and thousands of pressure vessels to inspect, the Oil & Gas industry requires ruggedized high-class quality control equipment able to do the job in record time while being robust and long-lasting. With generators going up to 300 kV, the CP SERIES family truly embodies the ideal Oil & Gas x-ray generator.



AEROSPACE

Safety is paramount in the aerospace industry! NDT specialists must meticulously inspect every single screw, gasket and blade that come together to constitute a commercial or military airplane. These extremely high safety requirements call for ultra light, compact and versatile generators able to provide highly detailed imaging in a short amount of time.



Designed to facilitate the life of operators in the field and beyond, the CP SERIES is the perfect partner for a quick, easy and accurate radiography of almost any material. Regardless of your application, the CP SERIES delivers a sharp, clear and detailed image of the hidden secrets of any object.

"Due to the small size and light weight of the CP200D, we managed to radiograph welds that would have been impossible to inspect with a larger tube head. The light weight also meant the crew did not get as fatigued as it would be expected with a bigger set."

ANDREW LARSEN - NDT MANAGER



CP SERIES



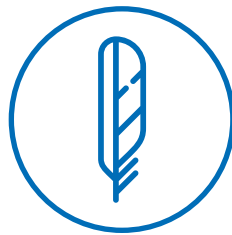
With the need to always reduce the inspection time to the strict minimum, the NDT world is slowly reducing its dependency on films and jumping straight into the Digital Radiography (DR) revolution. The constant potential capabilities of the CP SERIES makes it the perfect partner for state-of-the-art digital panels such as Teledyne ICM's Go-Scan, the first ever ground-up design, fully-integrated Portable Digital X-ray Solution.



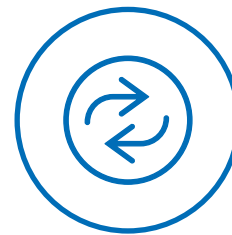
**HIGH
DEFINITION**



USER-FRIENDLY



LIGHT



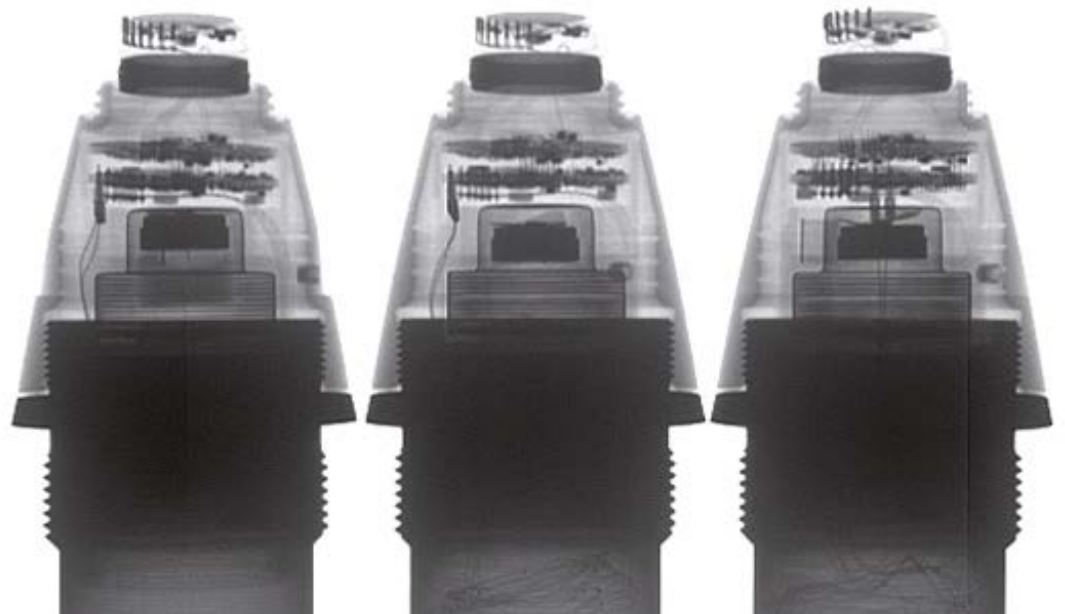
**REAL-TIME
FEEDBACK**



RUGGEDIZED

MILITARY

Military applications are extremely diverse and specific. They span from aircraft maintenance and armored vehicle inspections to missile head controls. Flexibility and reliability are key characteristics to be taken into consideration when choosing NDT equipment for the military industry. Inspection tools such as the CP200D perfectly embodies the requirements needed for such tasks. Weighing only 12 kg/26.5 lbs and equipped with five different diaphragms, the CP200D is the ultimate solution for the military application.





ART INSPECTION

Experts also use X-Rays to analyze and understand the hidden story of paintings, sculptures and ceramic artifacts. When inspecting paintings for instance, X-Rays give the ability to uncover the original sketch or painting, usually hidden by additional layers of paint. Seeing through those layers unveil the story behind the painting and enable accurate restoration. Our engineers designed the CP160D to be able to go down to extremely low voltage, which is exactly what is needed for this type of work. With a voltage output from 10 to 160 kV, the CP160D perfectly matches the art inspection's needs.





CPBATTERY

COMPACTNESS AT ITS BEST





7 - 9.2 KG
15.4 - 20.3 LBS



40 TO 160 kV



MICRO FOCAL SPOT
0.8X0.5 MM

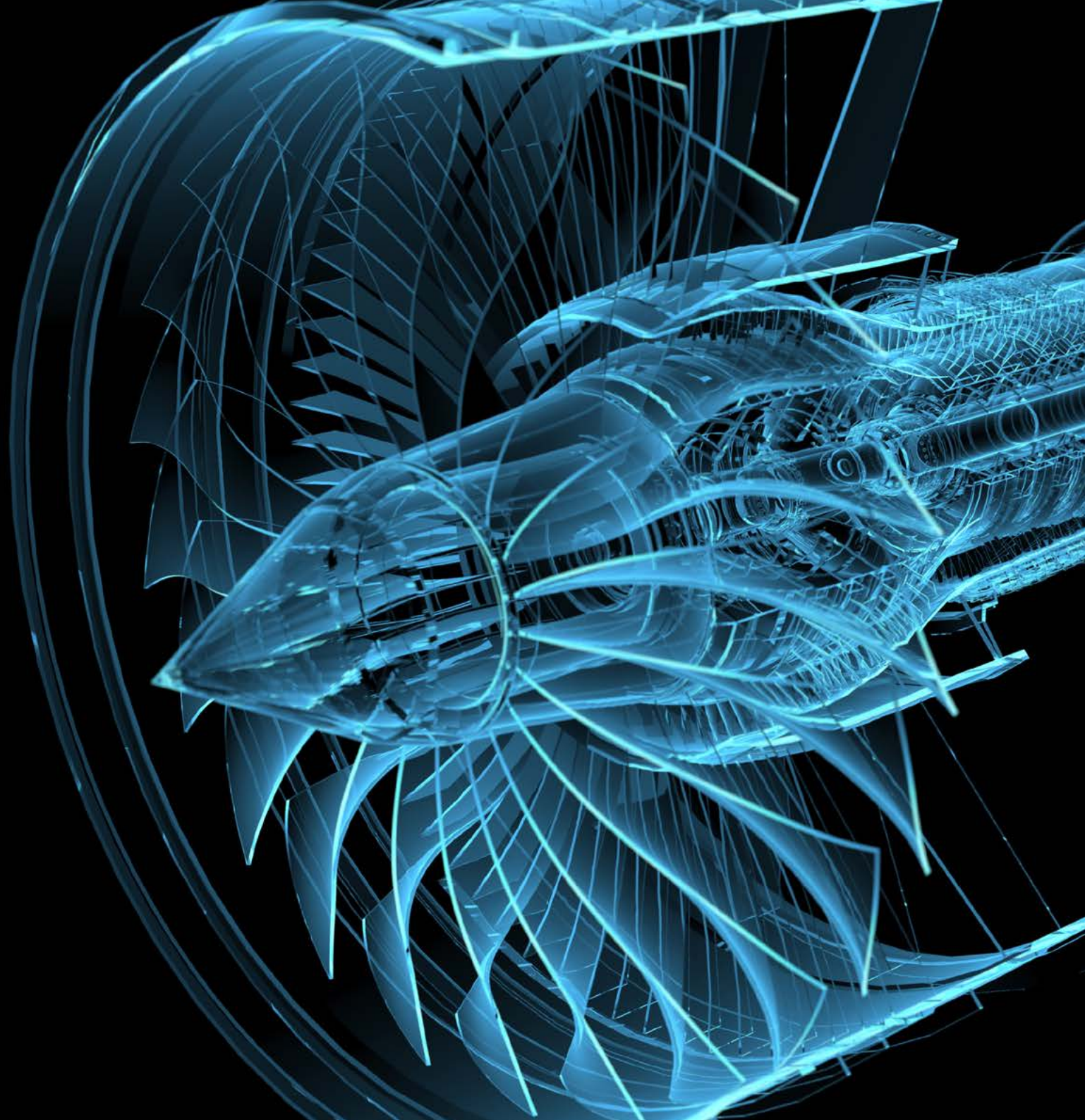


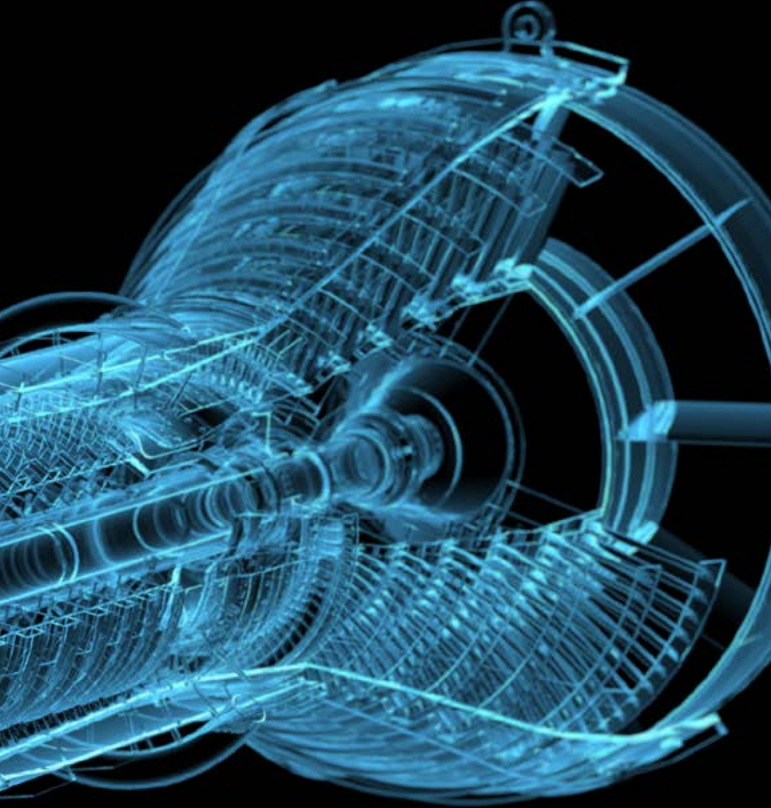
BATTERY OPERATED



PETROCHEMICAL

With all its small and crooked pipelines going up several meters, petrochemical installations are complex places to inspect. A compact and light x-ray generator is paramount for such tasks. Based on this observation, our team of engineers concentrated the power of the constant potential technology into battery operated x-ray sources, the CP120B and CP160B. With its small focal spot, lightweight and small size, the CP Battery range remains the tool of choice for such inspections.





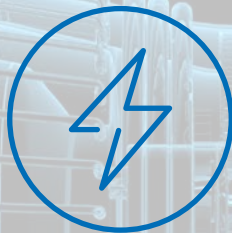
X-RAY DETECTORS

THE FUTURE IS NOW





**15X10 CM
6X4"**



99 - 49.5 μ M



RUGGEDIZED



**STATE-OF-THE-ART
SOFTWARE**

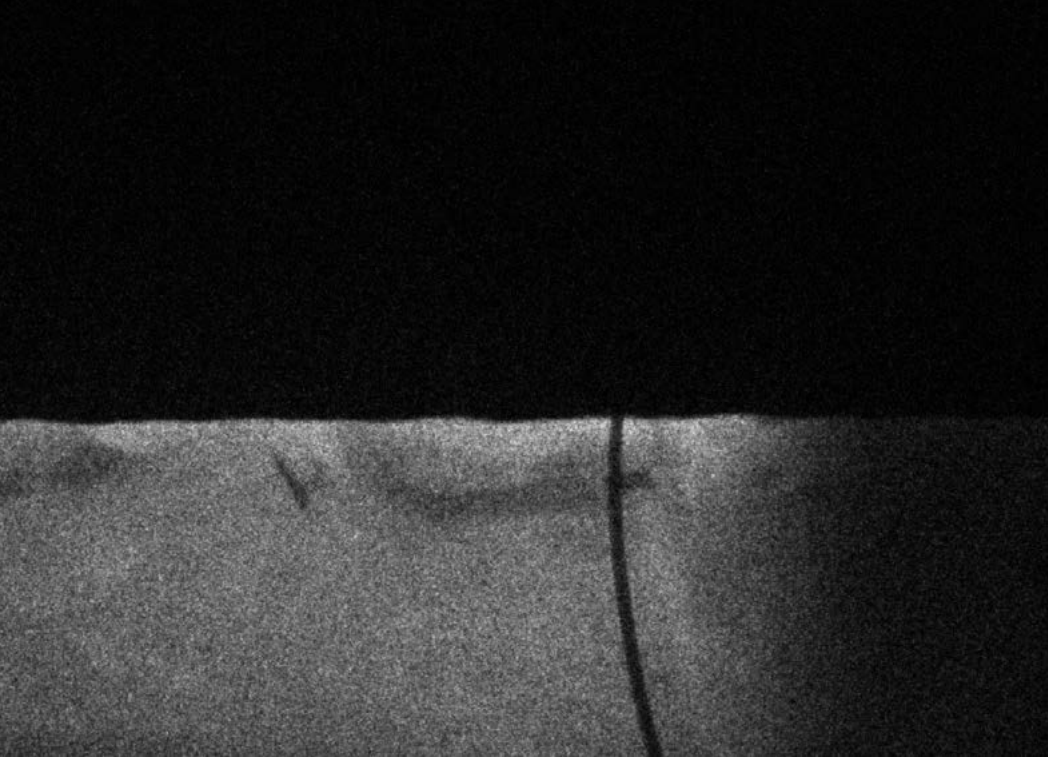
DIGITAL RADIOGRAPHY (DR)

The tide is turning within the radiographic world. Digital Radiography (DR) is slowly taking over the X-Ray realm and pushing silver films out of the door. While saving tremendous amount of time and money not developing films, DR also enables you to edit, record and send your inspections to whomever, whenever and wherever you want.



"Time is money", this old adage is still very true today. Service inspection companies and quality inspection teams are always looking to conduct inspections in more efficient ways and at reduced costs. While developing films far away from inspection sites is always time consuming, costly and uncertain, DR panels enable you to analyze and edit images in real time. With its 10x15 cm/4x6" CMOS detector, 49.5 & 99 μm resolution, and ruggedized design, Teledyne ICM's Go-Scan one-stop digital solution is the ultimate example of DR technology. Backed by custom tablet-supported software, Go-Scan meets the needs of almost any NDT technician.





CUI INSPECTIONS

Corrosion Under Insulation (CUI) is one of the most difficult corrosion processes to prevent because of the insulation cover that masks the problem until it is too late.

As it is expensive to remove the insulation, real-time X-ray is now used to conduct those analyzes as it is a safe, fast, and effective method of inspecting pipe in plant operations.





Teledyne DALSA's Rad-icon product family of large-area digital x-ray cameras offers users a high-speed, high-performance x-ray imaging detectors with a fast, reliable PC interface for easy integration. The Rad-icon product line leverages Teledyne DALSA's advanced CMOS image sensing technology, which enables the delivery of low-dose x-ray images and yields higher image quality than a-Si flat panels and image intensifier devices. The detectors in this product line are capable of frame rates up to 30 fps at full resolution, which is ideal for Non Destructive Testing, automotive inspection, and industrial CT.







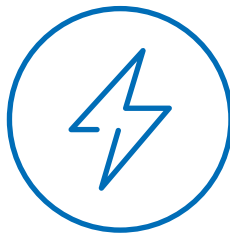
SITEX & XS

AFFORDABLE RUGGEDNESS





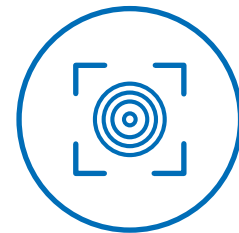
**DIRECTIONAL,
PANORAMIC & CRAWLER**



50 TO 320 KV



RUGGEDIZED



**AUTO-CORRECTION
X-RAY BEAM**

Quality, performance, ruggedness! All compacted into affordable portable X-Ray generators. The SITEX range definitely are the go-to-solution for many NDT users around the globe!







CRAWLER UNITS

PERFECTION ON WHEELS

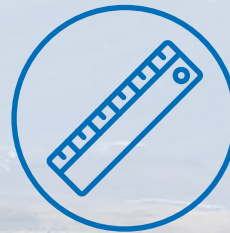




30 TO 300 kV



100% DUTY CYCLE



FROM 6"



**AUTO-CORRECTION
X-RAY BEAM**

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.



Part of the Teledyne Imaging Group, **Teledyne ICM** has been a wholly owned subsidiary of Teledyne Technologies Incorporated since 2015. Established over 30 years ago, we specialize in the development and manufacturing of portable X-Ray generators and scanners for Security and Non Destructive Testing purposes.

On the back of a portfolio that counts more than 30 different products, including the now well-known SITEX and SITEX CP Series ranges, as well as the security detectors FLATSCAN, we at Teledyne ICM continue to grow year upon year.

With a staff close to 50 people including engineers, physicists, sales & marketing professionals, as well as highly trained technicians, Teledyne ICM is more than ever, the leading company when it comes to meeting the X-Ray needs of a wide variety of users.

Today, Teledyne ICM is enthusiastically operating in more than 110 countries worldwide and is more than ever ready to bring innovative X-Ray solutions to the world.

Teledyne ICM – Get more out of X-Rays



HEADQUARTER

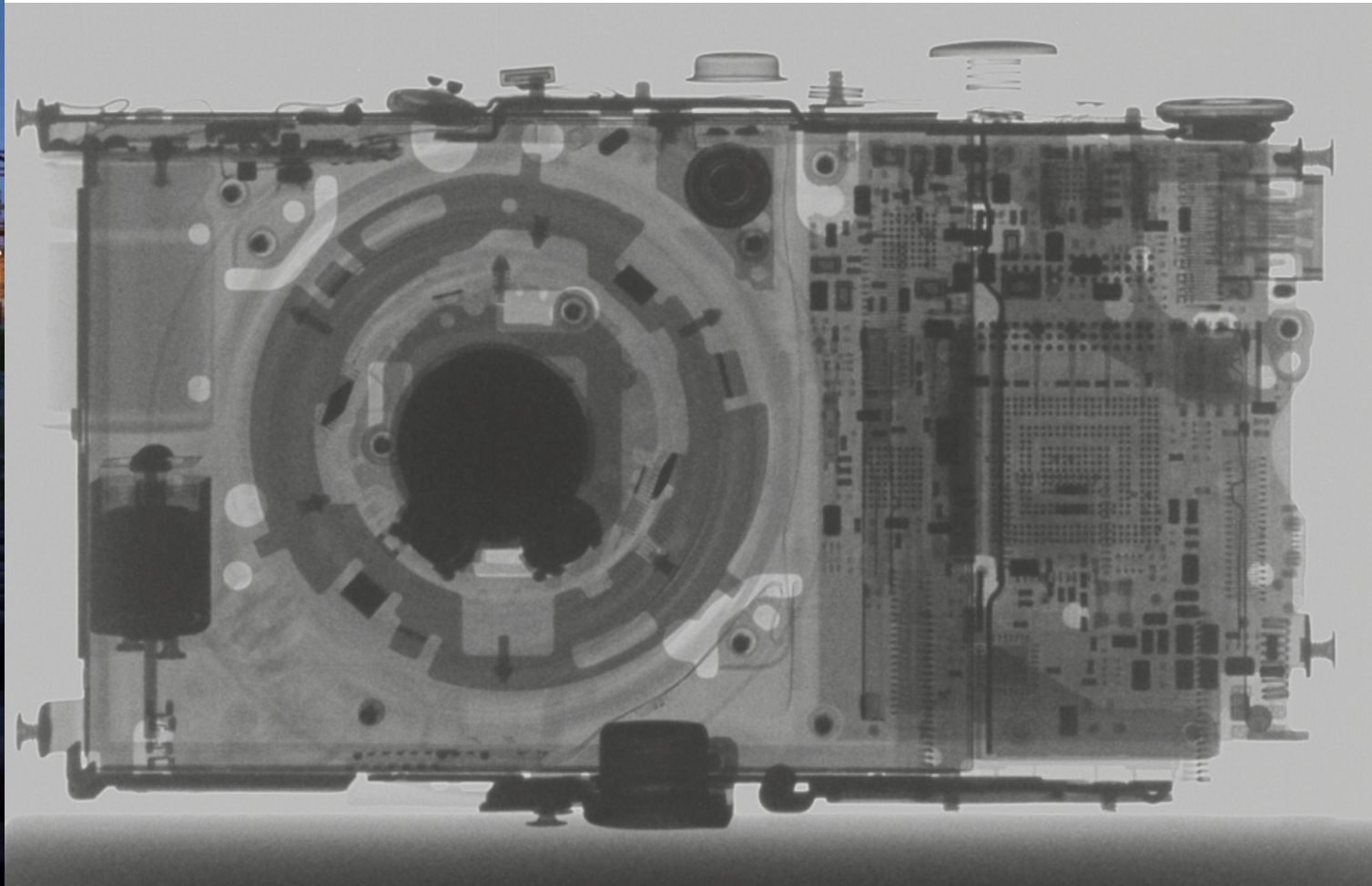


AFTER-SALE



SPECIFICATIONS

GOING INTO DETAILS



PRODUCT RANGES / GENERATORS / CP SERIES DIRECTIONAL

	Unit	SITEX CP160D	SITEX CP200D	SITEX CP200DS	SITEX CP225D	SITEX CP300DM	SITEX CP300DS
Radiation geometry	-	Directional	Directional	Directional	Directional	Directional	Directional
Power supply	-	Mains	Mains	Mains	Mains	Mains	Mains
Output voltage range	kV	10 to 160	10 to 200	10 to 200	10 to 225	30 to 300	30 to 300
Tube current range	mA	1 to 10	1 to 10	0.5 to 10	1 to 10	0.5 to 10	0.5 to 6
Tube current at full output	mA	5.6	4.5	3.7	4.0	3	3
Maximum power at the anode	W	900	900	750	900	900	900
Constant power mode	-	Yes	Yes	Yes	Yes	Yes	Yes
Working cycle at 30°C (*)	%	100	100	100	100	100	100
Steel penetration (**)	mm/in	29 / 1.14	42 / 1.65	40 / 1.57	47 / 1.9	66 / 2.6	66 / 2.6
Weight	Kg/lbs	14.7 / 30.86	14.7 / 30.86	15.9 / 35.05	14.7 / 30.86	29 / 63.93	29 / 63.93
Overall dimensions	mm/in	Ø 140 x 725 / 5.5 x 28.5	Ø 140 x 725 / 5.5 x 28.5	Ø 140 x 705 / 5.51 x 27.75	Ø 140 x 725 / 5.5 x 28.5	Ø 180 x 837 / 7.1 x 33	Ø 180 x 837 / 7.1 x 33
Leakage dose at 1 m at full output	mSv/h	< 2.0	< 2.0	< 2.0	< 2.0	< 5.0	< 5.0
Optical focal spot according to EN 12543	mm/in	3 / 0.12	3 / 0.12	1 / 0.04	3 / 0.12	3 / 0.12	1 / 0.04
Maximum useful angle	°	60 x 40 elliptical	60 x 40 elliptical	60 x 40 elliptical	60 x 40 elliptical	60 x 40 elliptical	60 x 30 elliptical
Inherent filtration	mm/in	0.8 / 0.03 (Be window)	0.8 / 0.03 (Be window)	0.8 / 0.03 (Be window)	0.8 / 0.03 (Be window)	0.8 / 0.03 (Be window)	0.8 / 0.03 (Be window)
Waterproof level	-	IP65	IP65	IP65	IP65	IP65	IP65
Operating temperature	°C/°F	-30 to +60 / -22 to +140	-30 to +60 / -22 to +140	-30 to +60 / -22 to +140	-30 to +60 / -22 to +140	-30 to +60 / -22 to +140	-30 to +60 / -22 to +140
Storage temperature	°C/°F	-40 to +70 / -40 to +158	-40 to +70 / -40 to +158	-40 to +70 / -40 to +158	-40 to +70 / -40 to +158	-40 to +70 / -40 to +158	-40 to +70 / -40 to +158
Guard rings	-	2	2	2	2	2	2

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

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

CP SERIES PANORAMIC

	Unit	SITEX CP300C
Beam	-	Panoramic
Power Supply	-	Mains
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 / 64.81
Overall dimensions	mm/in	Ø 180 x 837 / 7.1 x 33
Leakage dose at 1 m at full output	mSv/h	< 5.0
Optical focal spot according to EN 12543	mm/in	0.5 x 5.5 / 0.2 x 0.21
Maximum useful angle	°	360° x 40°
Inherent filtration	mm/in	0.4 Ni / 0.02 + 3.5 / 0.14 Al
Waterproof level	-	IP65
Operating temperature	°C/F°	-30 to +60 / -22 to +140
Storage temperature	°C/F°	-40 to +70 / -40 to +158
Guard rings	-	2

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

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



PRODUCT RANGES / GENERATORS / SITEX DIRECTIONAL

	Unit	SITEX D1802	SITEX D3006	SITEX D3206
BEAM	-	Directional	Directional	Directional
POWER SUPPLY	-	Mains	Mains	Mains
Output voltage range	kV	60 to 180	90 to 300	90 to 320
Tube current range	mA	1 to 3	1 to 6	1 to 6
Tube current at full output	mA	2.0	6.0	6.0
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	24 / 0.9	69 / 2.7	73 / 2.9
Weight (excluding hand rings)	Kg/lbs	9.5 / 20.9	31 / 68.3	31 / 68.3
Overall dimensions	mm/in	Ø 250 x 573 / 9.8 x 22.6	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 IEC336	mm/in	1.5 x 1.5 / 0.03 x 0.03	2.5 x 2.5 / 0.1 x 0.1	2.5 x 2.5 / 0.1 x 0.1
Maximum useful angle	°	60 x 40 elliptical	60 x 40 elliptical	60 x 40 elliptical
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

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

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

SITEX PANORAMIC

	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 IEC336	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

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

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

PRODUCT RANGES / GENERATORS / CRAWLER UNITS

	Unit	SITEX CP160CR	SITEX CP300CR	SITEX C1802	SITEX C3003
Beam	-	Panoramic	Panoramic	Panoramic	Panoramic
Power Supply	-	Battery	Battery	Battery	Battery
Output voltage range	kV	40 to 160	30 to 300	50 to 180	90 to 300
Tube current range	mA	0.5 to 2	0.5 to 10	1 to 3	1 to 5
Tube current at full output	mA	2.0	2.5	2.0	3.0
Maximum power at the anode	W	320	750	N.A.	N.A.
Constant power mode	-	Yes	Yes	No	No
Working cycle at 30°C (*)	%	100	100	50	100
Steel penetration (**)	mm/in	28 / 1.10	52 / 2.05	11 / 0.4	54 / 2.1
Weight (excluding hand rings)	Kg/lbs	11.2 / 24.69	29.4 / 64.82	9.5 / 20.9	32 / 70.5
Overall dimensions	mm/in	Ø 120 x 688 / 4.7 x 27.1	Ø 180 x 837 / 7.09 x 32.95	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	< 5.0	< 2.0	< 10
Optical focal spot according to IEC336	mm/in	Ø 4 x 0.5 / 0.2 x 0.02	Ø 0.5 x 5.5 / 0.02 x 0.22	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)	360 x (2x20)
Inherent filtration	mm/in	Equiv. 3.5 / 0.1 (Al)	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	IP66	IP65	IP65
Operating temperature	°C/°F°	-30 to +60 / -22 to +140	-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 +70 / -40 to +158	-40 to +80 / -40 to +176	-40 to +80 / -40 to +176
Guard rings	-	/	/	/	/

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

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

CONTROL UNITS

	Unit	POWERBOX
kV, mA and time setting steps	kV, mA, sec	1.0, 0.1, 1.0
Exposure time range	min, sec	1 sec to 99 min 59 sec
Constant power mode	-	Yes
Adjustable pre-warming time	sec	5 to 255
Pilot light indicator (Power ON, X-ray ON, Securities)	-	3
Independant START and STOP buttons	-	Yes
Two position safety key rotary switch	-	X-ray ON / STANDBY
Two position main rotary switch	-	Mains ON / OFF
Dual high brightness graphic Vacuum Fluorescent Displays (VFD)	-	2 (off) 64 pixels x 128 pixels each
Preheating is function of selected kVs (kV max by default)	-	Automatic
Exposure time calculator (material, FFD, film, density, kV, mA, time)	-	Optional
User-defined data enabling exposure time calculation	-	Optional
Programmable safety interlocks	-	3
Clear indication of the precise carousel system position	-	Lead cap, laser pointer, Be window, Al filter, custom diaphragm
Type of power supply	-	Mains, Power generator, Battery (option)
Supply voltage range – SELECTOR FREE – Auto resettable fuses	VAC	From 90 to 264
Supply frequency range – SELECTOR FREE	Hz	From 45 to 66
Input power factor when at full output	%	99
Input current at full power, 230 VAC	A	6.0
Storage ambient temperature range	°C/°F°	-40 to +70 / -40 to 158
Working ambient temperature range	°C/°F°	-30 to +55 / -22 to 131
Protection Class	-	IP65
Weight	Kg/lbs	7.9 / 17.4
Dimensions without handle	mm/in	351 (W) x 151 (H) x 344 (D) 13.8 (W) x 151 (H) x 13.5 (D)

	Unit	SCU 2.0
SUPPLY CHARACTERISTICS		
Supply voltage range	VAC	90 to 264
Supply frequency range	Hz	45 to 66
Maximum input power	kVA	2
Cos(phi) / power factor at full power 230Vac	-	0.98 / 0.98
Type of power supply	-	Mains, generator set, inverter
MEASURES AND REGULATION		
kV accuracy	%	± 0.5
mA accuracy	%	± 0.5
kV selection step	kV	1
mA selection step	mA	0.1
Time selection step	s	1
Timer range	min:sec	00:15 to 99:59
WEIGHT, DIMENSIONS AND ENVIRONMENT		
Operating weight	Kg/lbs	14.6 / 32.2
Overall size	mm ³ /in ³	355/14 (W) x 157/6 (H) x 525/20.7 (D)
Operating temperature range	°C/°F°	-25 to +55 / -13 to 131
Storage temperature range	°C/°F°	-40 to +80 / -40 to 176
Ingress protection	-	IP65
CONTROLS AND DISPLAY		
System	-	Industrial PC boards
Control of mains voltage and frequency	-	Yes
Control of ambient temperature	-	Yes
Logging of shots history	-	Yes
Pre-warning time	s	3 to 99
Pilot light indicators	-	3 (green, red, yellow)
Independent START and STOP buttons	-	YES
Two positions safety key rotary switch	-	Stanby - X-ray
Two position main rotary switch	-	Mains On-Off
Vacuum Fluorescent Display	Line x char.	2 x 20 with anti-reflection screen

PRODUCT RANGES / GENERATORS / BATTERY UNITS

	Unit	CP120B	CP160B
Beam	-	Directional	Directional
Power Supply	-	Battery	Battery
Output voltage range	kV	40 to 120	40 to 160
Tube current range	mA	0.1 to 1.0	0.1 to 0.5
Tube current at full output	mA	1.0	0.5
Maximum power at the anode	W	120	80
Constant power mode	-	Yes	Yes
Working cycle at 30°C (*)	%	/	/
Steel penetration (**)	mm/in	10 / 0.4	21 / 0.8
Weight (excluding hand rings)	Kg/lbs	7.0 / 15.4	9.2 / 20.3
Overall dimensions	mm/in	Ø 124 x 440 / 4.9 x 17.3	Ø 124 x 490 / 4.9 x 19.3
Leakage dose at 1 m at full output	mSv/h	< 2.0	< 2.0
Optical focal spot according to EN 12543	mm/in	0.8 x 0.5 / 0.03 x 0.02	0.8 x 0.7 / 0.03 x 0.03
Maximum useful angle	°	50 x 50	60 x 60
Inherent filtration	mm/in	Equiv. 3.5 / 0.1 (Al)	Equiv. 3.5 / 0.1 (Al)
Waterproof level	-	IP54	IP54
Operating temperature	°C/°F	-25 to +50 / -13 to +140	-25 to +50 / -13 to +140
Storage temperature	°C/°F	-40 to +80 / -40 to +176	-40 to +80 / -40 to +176
Guard rings	-	/	/

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

(**) 400 mm FFD, 1 min , AA400, D=2 for CPB



PRODUCT RANGES / DETECTORS / GO-SCAN UNITS

	Unit	GO-SCAN 1506	GO-SCAN 1510 HR	GO-SCAN 1510 XR	GO-SCAN 2329	GO-SCAN 3025	GO-SCAN 4335
GENERAL							
Technology	-	CMOS Active Pixel	CMOS Active Pixel	CMOS Active Pixel	CMOS Active Pixel	aSi	aSi
Pixel pitch	µm	49.5	99	49.5	49.5	120	154
Sensitivity settings	#	1	2	1	1	1	1
Active area	mm/in	57 x 146 / 2.2 x 5.7	102 x 153 / 4 x 6	114 x 145 / 4.5 x 5.7	230 x 290 / 9 x 11.4	300 x 250 / 11.8 x 9.8	434 x 355 / 16.9 x 13.8
Active resolution	pxl	1152 x 2940	1032 x 1548	2304 x 2940	4608 x 5890	2560 x 2048	2816 x 2304
BANDWIDTH							
Data interface	-	GigE & Wi-Fi**	GigE & Wi-Fi	GigE & Wi-Fi	GigE	GigE & Wi-Fi	GigE & Wi-Fi
ADC conversion	bits	14	14	14	14	16	16
Frame rate– 1x1 (GigE)	fps	15	up to 30	up to 9	up to 2	0.3	0.3
POWER CONSUMPTION							
Power supply	-	Battery** / Mains*	Battery / Mains*	Battery / Mains*	Mains*	Battery / Mains*	Battery / Mains*
Power consumption	W	40	15	15	15 to 40	17	20
Battery performance	-	-	Approx. 7 hours	Approx. 7 hours	-	Approx. 7 hours	Approx. 7 hours
INTEGRATION							
Dimension (without sleeve)	mm/in	206 x 78 x 31 / 8.1 x 3 x 1.2	238 x 154 x 25 / 9.4 x 6.0 x 1.0	238 x 154 x 25 / 9.4 x 6.0 x 1.0	331 x 331 x 23 / 13 x 13 x 0.9	339 x 287 x 18.8 / 13.34 x 11.29 x 7.4	464 x 388 x 18.8 / 18.26 x 15.27 x 7.4
Overall dimension	mm/in	218 x 90 x 35 / 8.6 x 3.5 x 1.4	259 x 227.7 x 107.5 / 10.2 x 8.9 x 4.2	259 x 227.7 x 107.5 / 10.2 x 8.9 x 4.2	350 x 350 x 28.2 / 13.7 x 13.7 x 1.1	412.5 x 310 x 34.2 / 16.2 x 12.2 x 1.3	538.5 x 410 x 34.5 / 21.2 x 16.1 x 1.3
Weight (without sleeve)	Kg/lbs	0.9 / 1.9	1.6 / 3.5	1.6 / 3.5	8 / 17.6	3.5 / 6.6	5.9 / 13
ENVIRONMENTAL							
Operating temperature	°C/°F	+10 to +40°C / +50 to +104°F	-20 to 50°C / -4 to +122°F	-20 to 50°C / -4 to +122°F	0 to +50°C / +32 to +122°F	-20 to 50°C / -4 to +122°F	-20 to 50°C / -4 to 122°F
Storage temperature	°C/°F	-10 to +55°C / +14 to +131°F	-20 to 60°C / -4 to +140°F	-20 to 60°C / -4 to +140°F	-10 to +55°C / +14 to +131°F	-20 to 60°C / -4 to +140°F	-20 to 60°C / -4 to 140°F
Humidity	% R.H.	10 to 80	20 to 80	20 to 80	20 to 80	30 to 75	30 to 75
X-ray energy range	kV	Up to 225	Up to 225	Up to 225	Up to 225	Up to 300	Up to 300

(*) with Power/Com Cable accessory

(**) with Power unit

PRODUCT RANGES / **DETECTORS** / SHERLOCK SOFTWARE

SOFTWARE FEATURES

All-in-one touchscreen software

Available in 20 languages

Add unlimited users

Library to store all inspections efficiently

Interconnected by cable or wireless

Fast image acquisition

Preset exposure configurations

MULTIPLE IMAGE EDITING FEATURES

Image editing

Real-time adjustable dynamic filter

Adjustable Teledyne filter

Automatic & manual histogram equalization

DICONDE Compliant

Emboss

Black & white

Pseudo-colours

Grey level input value

HDR

Smart measurement tool

SNR / SNRn

CNR / CNRn

SRb / iSRb / automatic IQI recognition

Wall thickness measurement

Annotation / Highlight

Mirroring / Rotation

Pixel map generation and edition

Real-time Image acquisition

Exposure time calculator

Stitching tool

Monitoring and modifying parameters during inspection

During the inspection, possibility to adapt parameters and apply filters

Superpower Zoom (up to 5000%)

Drag&drop external images from Windows into the image editor

Automatic file export

ROI filtering

Gamma sources support

“No detector” mode

Advanced reporting and data export tools (custom tags, tags edition, new data export features)

Extended detector range support

GO-SCAN C-VIEW

	Unit	GO-SCAN C-VIEW
GENERAL		
Technology	-	CMOS Active Pixel
Pixel pitch	µm	99
Active area	mm/in	102 x 153 / 4 x 6
Active resolution	pxl	1032 x 1548
BANDWIDTH		
Data interface	-	Wi-Fi or Ethernet cable (optional)
Frame rate	fps	up to 30
POWER CONSUMPTION		
Power supply	-	18V Dewalt battery
X-ray max power output	W	12
Battery performance	h	~2 (with 5 Ah battery)
INTEGRATION		
Dimension detector head	mm/in	292x195x61.5 / 11.50x7.68x2.42
Overall dimension	mm/in	300-650x292x504 / 11.81-25.6x11.5x19.84
Weight	Kg/lbs	<6.5/14.3
Adjusting source - detector distance	mm/in	300 - 650 / 11.81 - 25.59
ENVIRONMENTAL		
Operating temperature	°C/°F	-20, +50°C / -4, +122°F
Storage temperature	°C/°F	-30, +60°C / -22, +140°F
Humidity	% R.H.	20 - 80
IP Range	-	IP65 (excluding battery)
Software / app		Works with Go-Scan C-Viewer app, multiple simultaneous displays, video recording, snapshot, x-ray settings, ...





TELEDYNE ICM
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