PEXRAYTECH

PXR NDT systems
Product Catalogue

January 2025

PXR Alpha Classic Panels – Overview

Discover excellence in digital x-ray technology with our comprehensive panel range, tailored to meet diverse needs. Optimized for both welding and corrosion inspection, our panels redefine industry standards with precision and efficiency.

Experience the freedom of wireless capability across all models, providing true flexibility in your inspections. Our panels are not just advanced; they are super robust, ensuring durability that stands up to the most demanding environments. Elevate your inspections with our digital x-ray panels—where versatility, optimization, and robustness converge for unparalleled performance.

On this page, the proven line of classical panels. Truly robust and field tested over the years.

	RESOLUTION	ACTIVE AREA (mm)	MAIN APPLICATION	CONNECTIVITY
PXR ALPHA 17	75 µm / D11	173 × 230	Weld inspection, All around	Wired & Wireless
PXR ALPHA 23	75 µm / D11	230 x 288	Weld inspection, All around	Wired & Wireless
PXR ALPHA 25	124 µm / D9	254 × 317	Weld & Corrosion	Wired & Wireless
PXR ALPHA 36	140 µm	358 × 430	Corrosion	Wired & Wireless

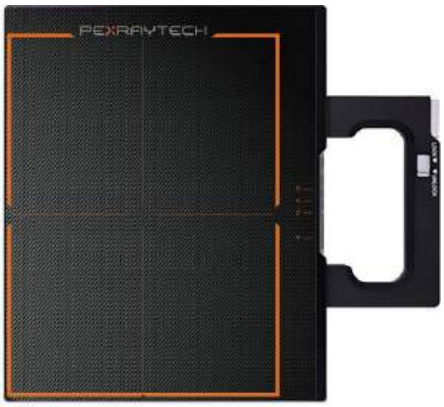
PXR Alpha Glass Free Panels – Overview

On this page, new generation of panels; glass free technology has made it possible to make slimmer and lighter designs, as well as flexible designs. *The end of film is getting closer..*

	RESOLUTION	ACTIVE AREA (mm)	MAIN APPLICATION	CONNECTIVITY
PXR ALPHA 25GF	99 µm / D10	250 × 300	Weld inspection and corrosion,	Wired & Wireless
PXR ALPHA 36GF	99 µm / D10	351 x 427	Corrosion, option for weld inspection	Wired & Wireless
PXR ALPHA FLEXIBLE 10 x 25	99 µm / D10	98 × 250	Weld inspection, Medium to large pipes	Wired & Wireless
PXR ALPHA FLEXIBLE 10 x 43	99 µm / D10	98 × 427	Weld inspection, Large pipes and vessels	Wired & Wireless

PXR Planar Panels

PXR Alpha 17



PXR Alpha 17, engineered for excellence, our sensor boasts ruggedness that defies any weather condition or temperature, ensuring reliability in every environment.

Equipped with state-of-the-art image technology, our sensor guarantees exceptional image quality with minimal noise, delivering crystal-clear visuals for **precise weld inspections**. The optimal resolution yields a diverse range of applications and ensures that every detail is captured with precision.

Finally, size matters, featuring a large sensor area packed into a compact frame, our design strikes the perfect balance between portability and performance.

Sales code	PXR8903139
Sensor type	A-Si TFT Panel
Scintillator	Gadox
Pixel size	75 µm, resolution: 6.67 LP/mm @ Magnification of 1
ISO 17636-2:2022 compliance	Panel unsharpness: **D11**
Pixel Matrix	2304 x 3072 pixels
Dynamic range	16 bit
Active area [W × H]	172.8 mm × 230.4 mm
External dimensions [W × H × D]	208.2 mm × 256.5 mm × 27.5 mm
Uncovered active area	3 mm at the bottom and 6 mm at the right side
Weight	2.4 kg
Image acquisition time	Wired 1.5 s, Wireless: 3 s
X-ray Voltage Range	40 kVp — 450 kVp
Radiation life	1000 Gy (equivalent to 200kV, 2mA, SDD=700mm, 720 hours continuous)
Max. Exposure Time	180 s
Power Consumption	24 V DC, 0.8 A
Battery Life	Up to 8 hours, hot-swappable without turning off the detector
Communication protocols	Gigabit Ethernet, Wireless 802.11 a/c/n, 3 internal antennas
Operating temperature	-20 °C to +50 °C (-4 °F to +122 °F)
Protection level	IP 67

PXR Alpha 23

PXR Alpha 23, engineered for excellence, our sensor boasts ruggedness that defies any weather condition or temperature, ensuring reliability in every environment.

Equipped with state-of-the-art image technology, our sensor guarantees exceptional image quality with minimal noise, delivering crystal-clear visuals for **precise weld inspections**. The optimal resolution yields a diverse range of applications and ensures that every detail is captured with precision.

Finally, size matters, featuring a very large sensor area the panel allows inspection of long welds at once.

Sales code	PXR8903595
Sensor type	A-Si TFT Panel
Scintillator	Gadox
Pixel size	75 µm, resolution: 6.67 LP/mm @ Magnification of 1
ISO 17636-2:2022 compliance	Panel unsharpness: **D11**
Pixel Matrix	3072 x 3840 pixels
Dynamic range	16 bit
Active area [W × H]	230.40 mm × 288.0 mm (9,06 in x 11,33 in)
External dimensions [W × H × D]	322 mm × 355 mm × 17 mm (12.67 in × 13.97 in × 0.67 in)
Uncovered active area	6 mm at the bottom
Weight	3.4 kg
Image acquisition time	Wired: 2 s, Wireless: 3 s
X-rayVoltage Range	40 kVp — 450 kVp
Radiation life	1000 Gy (equivalent to 200kV, 2mA, SDD=700mm, 720 hours continuous)
Max. Exposure Time	180 s
Power Consumption	24 V DC, 0.8 A
Battery Life	Up to 7 hours, hot-swappable without turning off the detector
Communication protocols	Gigabit Ethernet, Wireless 802.11 a/c/n, 3 internal antennas
Operating temperature	-20 °C to +50 °C (-4 °F to +122 °F)
Protection level	IP 67

PXR Alpha 25

PXR Alpha 25 - Introducing our versatile sensor designed for corrosion and weld inspection, the ultimate solution for diverse industrial needs. Engineered for rugged reliability in any weather or temperature.

Experience exceptional image quality with low noise, ensuring crystal-clear visuals for precise inspections. The resolution is tailored for both corrosion and weld inspection of thicker materials.

With a large sensor area, our sensor strikes the perfect balance between size and efficiency. Elevate your inspections with our cutting-edge technology, offering durability, top-notch image quality, and the capability to tackle a variety of applications.

Sales code	PXR8903151
Sensor type	a-Si TFT Panel
Scintillator	Gadox
Pixel size	124 µm, resolution: 4.03 LP/mm @ Magnification of 1
Pixel Matrix	2048 x 2560 pixels
Dynamic range	16 bit
Active area [W × H]	253.95 mm × 317.44 mm
External dimensions [W × H × D]	322 mm × 355 mm × 17 mm
Uncovered active area	8.5 mm at the bottom and 8.5 mm at the right side
Weight	3.4 kg
Image acquisition time	Wired 1,5 s, Wireless: 3 s
X-ray Voltage Range	40 kVp — 450 kVp
Radiation life	1000 Gy (equivalent to 200kV, 2mA, SDD=700mm, 720 hours continuous)
Max. Exposure Time	180 s
Power Consumption	24 V DC, 0.8 A
Battery Life	Up to 8 hours, hot-swappable without turning off the detector
Communication protocols	Gigabit Ethernet, Wireless 802.11 a/c/n, 3 internal antennas
Operating temperature	-20 °C to +50 °C (-4 °F to +122 °F)
Protection level	IP 67

PXR Alpha 36

PXR Alpha 36 - Introducing our premier corrosion detection sensor—the go-to solution for robust reliability in any weather or temperature. With cutting-edge technology, experience top-tier image quality featuring low noise and crystal-clear visuals.

Tailored for optimal resolution in low dose rate sources like isotopes, our sensor ensures precision in corrosion assessments. Boasting a large sensor area, it combines ruggedness with high performance to meet corrosion detection standards. Elevate your inspections with our sensor's durability, image clarity, and precision.

Sales code	PXR8903153
Sensor type	a-Si TFT Panel
Scintillator	Gadox
Pixel size	140 µm, resolution: 3.57 LP/mm @ Magnification of 1
Pixel Matrix	2560 x 3072 pixels
Dynamic range	16 bit
Active area [W × H]	358.4 mm × 430.08 mm
External dimensions [W × H × D]	400 mm × 470 mm × 17 mm
Uncovered active area	8 mm at the bottom and 10 mm at the right side
Weight	5.4 kg
Image acquisition time	Wired 1.5 s, Wireless: 3 s
X-ray Voltage Range	40 kVp — 450 kVp
Radiation life	1000 Gy (equivalent to 200kV, 2mA, SDD=700mm, 720 hours continuous)
Max. Exposure Time	180 s
Power Consumption	24 V DC, 0.8 A
Battery Life	Up to 8 hours, hot-swappable without turning off the detector
Communication protocols	Gigabit Ethernet, Wireless 802.11 a/c, 3 internal antennas
Operating temperature	-20 °C to +50 °C (-4 °F to +122 °F)
Protection level	IP 67

PXR Glass Free Panels

PXR Alpha 25GF – Glass Free

PXR Alpha 25GF, engineered for excellence, our novel sensor boasts ruggedness and performance in every environment.

The novel panel has uncompromised performance on image quality, but also boasts a new, very slim body. Enjoy the new level of slimness and narrow sides.

At D10 resolution performance this our first panel that can do wonders in both weld and corrosion inspection. A true all-around alternative to consider.

Sales code	PXR8903789
Sensor type	A-Si TFT Panel
Scintillator	Gadox
Pixel size	99 µm, resolution: 5.0 LP/mm @ Magnification of 1
ISO 17636-2:2022 compliance	Panel unsharpness: **D10**
Pixel Matrix	2524 x 3036 pixels
Dynamic range	16 bit
Active area [W × H]	249.9 × 300.6 mm
External dimensions [W × H × D]	282.5 x 333.3 x 15 mm
Uncovered active area	2.8 mm left and bottom
Weight	2.4 kg
Image acquisition time	Wired: 2 s, Wireless: 3 s
X-rayVoltage Range	40 kVp — 450 kVp
Radiation life	1000 Gy (equivalent to 200kV, 2mA, SDD=700mm, 720 hours continuous)
Max. Exposure Time	180 s
Power Consumption	24 V DC, 0.8 A
Battery Life	Up to 8 hours
Communication protocols	Gigabit Ethernet, Wireless 802.11 a/c/n, 3 internal antennas
Operating temperature	-20 °C to +50 °C (-4 °F to +122 °F)
Protection level	IP 67

PXR Alpha 36GF – Glass Free

PXR Alpha 36GF, engineered for excellence, our novel sensor boasts ruggedness and performance in every environment. With the large size, this is optimal partner for corrosion work.

The novel panel has uncompromised performance on image quality, but also boasts a new, very slim body. Enjoy the new level of slimness and narrow sides.

With D10 resolution performance this this panel can be used also for weld inspection. A handy option for a corrosion workhorse.

Sales code	PXR8903791
Sensor type	A-Si TFT Panel
Scintillator	Gadox
Pixel size	99 µm, resolution: 5.0 LP/mm @ Magnification of 1
ISO 17636-2:2022 compliance	Panel unsharpness: **D10**
Pixel Matrix	3548 x 4316 pixels
Dynamic range	16 bit
Active area [W × H]	351 x 427 mm
External dimensions [W × H × D]	384 x 460 x 15 mm
Uncovered active area	2.8 mm left and bottom
Weight	4.15 kg including battery
Image acquisition time	Wired: 2 s, Wireless: 3 s
X-rayVoltage Range	40 kVp — 450 kVp
Radiation life	1000 Gy (equivalent to 200kV, 2mA, SDD=700mm, 720 hours continuous)
Max. Exposure Time	180 s
Power Consumption	24 V DC, 0.8 A
Battery Life	Up to 8 hours
Communication protocols	Gigabit Ethernet, Wireless 802.11 a/c/n, 3 internal antennas
Operating temperature	-20 °C to +50 °C (-4 °F to +122 °F)
Protection level	IP 67

PXR Flexible Panels

PXR Alpha Flexible 10x25

Step into the future with our revolutionary flexible sensor! Specifically designed for pipe-weld inspection, this cutting-edge technology is optimized for large pipe welds and sector imaging, providing unparalleled versatility in industrial applications.

The sensor's thin and flexible body redefines inspection possibilities, allowing it to adapt seamlessly to various pipes. Embrace rugged reliability in any weather or temperature, ensuring consistent performance in challenging environments.

Experience top-notch image quality with low noise, guaranteeing clear and precise visuals in every inspection. Say goodbye to limitations and welcome the era of flexibility with our innovative sensor – where weld inspection meets the future head-on!

Sales code	PXR8903743
Sensor type	A-Si TFT Panel
Scintillator	Gadox
Pixel size	99 µm
Bending Radius	Minimum pipe diameter 150 mm
ISO 17636-2:2022 compliance	Panel unsharpness: **D10**
Dynamic range	16 bit
Active area [W × H]	97.8 × 249.9 mm
Pixel Matrix	988 x 2524 pixels
External dimensions [W × H × D]	453 x 182 x 20 mm
Uncovered active area	10 mm at one long side, 47 mm on the other side
Weight	Sensor 1.5 kg, control unit 1.05 kg
Image acquisition time	Wired: 2 s, Wireless: 3 s
X-rayVoltage Range	40 kVp — 450 kVp
Radiation life	1000 Gy (equivalent to 200kV, 2mA, SDD=700mm, 720 hours continuous)
Max. Exposure Time	180 s
Power Consumption	Max 24 W
Battery Life	Up to 7 hours
Communication protocols	Gigabit Ethernet, Wireless 802.11 a/c/n, 3 internal antennas
Operating temperature	-20 °C to +50 °C (-4 °F to +122 °F)
Protection level	IP 67

PXR Alpha Flexible 10x43

Step into the future with our revolutionary flexible sensor! Specifically designed for pipe-weld inspection, this cutting-edge technology is optimized for large pipe welds and sector imaging, providing unparalleled versatility in industrial applications.

The sensor's thin and flexible body redefines inspection possibilities, allowing it to adapt seamlessly to various pipes. Embrace rugged reliability in any weather or temperature, ensuring consistent performance in challenging environments.

Experience top-notch image quality with low noise, guaranteeing clear and precise visuals in every inspection. Say goodbye to limitations and welcome the era of flexibility with our innovative sensor – where weld inspection meets the future head-on!

Sales code	PXR8903745
Sensor type	A-Si TFT Panel
Scintillator	Gadox
Pixel size	99 µm
Bending Radius	Minimum pipe diameter 150 mm
ISO 17636-2:2022 compliance	Panel unsharpness: **D10**
Dynamic range	16 bit
Active area [W × H]	97.8 × 427.3 mm
Pixel Matrix	988 x 4316 pixels
External dimensions [W × H × D]	633 x 182 x 20 mm
Uncovered active area	10 mm at one long side, 47 mm on the other side
Weight	Sensor 1.7 kg, control unit 1.05 kg
Image acquisition time	Wired: 2 s, Wireless: 3 s
X-rayVoltage Range	40 kVp — 450 kVp
Radiation life	1000 Gy (equivalent to 200kV, 2mA, SDD=700mm, 720 hours continuous)
Max. Exposure Time	180 s
Power Consumption	Max 24 W
Battery Life	Up to 7 hours
Communication protocols	Gigabit Ethernet, Wireless 802.11 a/c/n, 3 internal antennas
Operating temperature	-20 °C to +50 °C (-4 °F to +122 °F)
Protection level	IP 67

Constant potential Generator

PXR GEN160-09

The PXR GEN160-09 provides superior performance when it counts most:

- High penetration power
- Small focal spot for excellent sharpness
- Very robust design
- Large battery capacity
- All weather protection
- Designed for optimal cooling characteristics

Intended for high precision NDT work.

Sales Code	PXR8903695
Waveform	Constant potential
Output range	30 kV to 160 kV
Output current	0.1 mA to 1.0 mA
Maximum power	160 W
Maximum exposure time	300 seconds continous, duty cycle 83%
Focal spot size	0.9 mm at 160 kV (according to EN 12543-2:2021)
Beam angle	Cone beam 50°
Leakage dose at 1 m	< 2000 µSv/h @ full power, depending on direction
Dose rate at 1 m	Typical 680 mSv/h
Inherent filtration	3 mm of Aluminum eqv.
Power Supply	2 x 60 Wh, Li-Ion Batteries, rechargeable, exchangeable. Total capacity ~120 Wh. See PXR Battery, PXR8905033
Battery life	Typical 30 min @ 160 kV, 1 mA
Communication protocols	Wireless 802.11 2.4 GHz and Wired TCP/IP Ethernet
Dimensions [W × H × D]	338 x 279 x 150
Weight	12 kg with batteries
Safety	Physical safety interlock with key Audible and visible warning signs
Operating temperature	-20 °C to +50 °C (-3 °F to +122 °F). Warm batteries should be used at temperatures below 0 °C
IP rating	IP65 (IEC 60529)

PXR Generators – Exposure Distances

Exposure distances for 100 mm pipe in elliptical image according to ISO 17636-2 class B.

As result, FS 0.9 allows to expose from close distance of 300mm from the object.

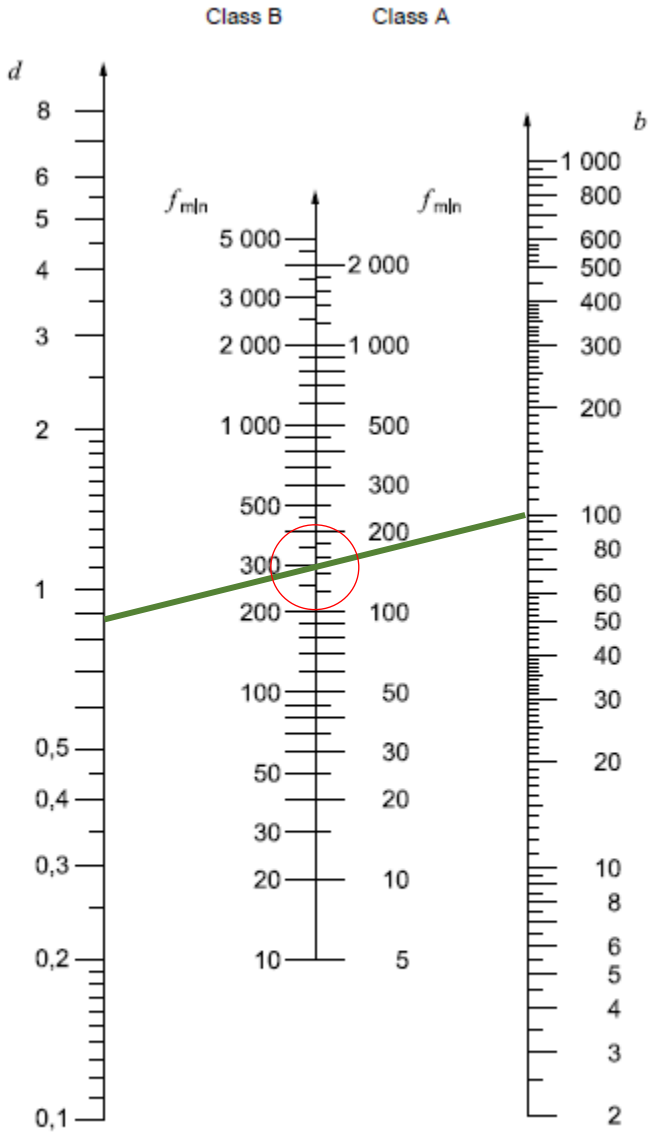


Figure 21 — Nomogram for the determination of minimum source-to-object distance f_{min} in relation to object-to-detector distance b and the source size d

PXR Safety Interlock Unit

The PXR Safety Interlock Unit for PXR Generator 160 – family.

- Emergency Stop button
- Warning lamp
- Warning sound
- Safety key
- Cable connection to Generator
- Connector for door switch
- Meets German TÜV requirements

Intended to be used with PXR GEN –product family for increased safety.

Sales Code	PXR8903641
Door switch	Supports 1 or 2 door switches (can be disabled)
Connection to Generator	Cable only
Dimensions [W × H × D]	206 x 115 x 90 mm
Weight	1.2 kg
Operating temperature	-20 °C to +55 °C (-3 °F to +122 °F)
IP rating	IP55

Generator Kits

Our battery generators are always sold as complete kits, carefully designed for your convenience. Each kit includes everything you need to get started right away:

- Zebra hand-held control unit (when applicable)
- A rugged case for easy transport and secure storage
- High-performance batteries
- All the necessary cables
- A power supply

With our kits, you'll have all the essentials in one package.

PXR GEN Generator Kits

ID	Description	Illustration
GEN160-09: **PXR8903705**	**PXR GEN160-09 NDT Stand Alone Kit – Basic** Kit includes: PXR8903695 PXR GEN160-09 -Including 1 set of batteries PXR8903601 PXR GEN160 Kit Case PXR8903765 Zebra TC22 rugged control unit PXR Studio device control license PXR8903527 PXR Computer data cable (LF10 - RJ45), 15 m PXR8905133 PXR Power Supply Leakage dose report Focal spot measurement report Safety interlock kit not included.	
GEN160-09: **PXR8903703**	**PXR GEN160-09 NDT Stand Alone Kit – Extended** Kit includes: PXR8903695 PXR GEN160-09 -Including 1 set of batteries PXR8905033 spare batteries, 2 pcs PXR8905051 PXR Battery Charging Dock PXR8903601 PXR GEN160 Kit Case PXR8903765 Zebra TC22 rugged control unit PXR Studio device control license [PXR8905011] PXR Computer data cable (LF10 - RJ45), 3 m PXR8905133 PXR Power Supply Leakage dose report Focal spot measurement report PXR8903659 PXR Safety Interlock Kit Complete kit for a heavy user.	

PXR GEN Generator Kits

ID	Description	Illustration
GEN160-09: **PXR8903735**	**PXR GEN160-09 NDT Kit – Extended – No Tablet** Kit includes: PXR8903695 PXR GEN160-09 -Including 1 set of batteries PXR8905033 spare batteries, 2 pcs PXR8905051 PXR Battery Charging Dock PXR8903601 PXR GEN160 Kit Case [PXR8905011] PXR Computer data cable (LF10 - RJ45), 3 m PXR8905133 PXR Power Supply Leakage dose report Focal spot measurement report PXR8903659 PXR Safety Interlock Kit **This kit is intended to be used with PXR panel kits, and thus the separate control pad is not needed. (the Zebra unit in the photo is not included)**	
PXR8903659	**PXR Safety Interlock Kit** Safety Interlock Unit for PXR GEN160 generators. Functions: Warning light, emergency switch, key lock, warning buzzer. Included in shipment: -Safety Interlock Unit PXR8903701 SIU Control Cable, 20 m PXR8903699 Door switch cable, 3 m, 2 pairs for 2 switches (with open ends for custom installation) PXR8903697 Door Switch Bypass Connector to bypass the door switch when on field work	

PXR Alpha Panel Kits

DR Panels – Comprehensive Kits for a Quick Start
Our DR panels are always sold as kits, thoughtfully designed to provide everything you need for an efficient setup. Simply combine the kit with the PC of your choice, and you'll be ready to roll. Each kit includes:

- **Your chosen PXR DR panel**
- **PXR HUB kit** for seamless communication
- **Batteries**, with spares for extended use
- **Battery charging dock** for easy recharging
- **All necessary cables** and power supplies
- **Panel mounting accessories**
- **Rugged case** for secure transport and storage

With our all-in-one DR panel kits, you can count on convenience, reliability, and everything you need to get started with ease.

PXR Alpha Panel Kits - Components

Main components of a DR panel kit:

1. DR Panel (Example)
2. Panel protection
3. Panel to HUB cable
4. HUB to PC cable
5. PXR HUB
6. Panel mounting: straps and magnets
7. Batteries & charging dock
8. Power supplies
9. Panel handle
10. User manuals

PXR Alpha Panel Kits – Weld Inspection

ID	Description	Illustration
PXR8903729	**Alpha 17 NDT Kit** Optimal set for weld seam inspections from thin to medium thick materials. To be used with 3rd party X-ray sources. PXR8903139 PXR Alpha 17 Panel, 75 um PXR8905527 Protective cover, including titanium front screen PXR8905521 PXR HUB NDT Kit PXR8903557 PXR Studio SW, NDT full licence - 2 years PXR8903553 PXR Alpha System Case (small) PXR8903741 PXR Panel mount strap set PXR8903691 PXR Magnetic Panel Holder Set	
PXR8903677	**Alpha 23 NDT Kit** Optimal set for weld seam inspections from thin to medium thick materials. To be used with 3rd party X-ray sources. PXR8903595 PXR Alpha 23 Panel, 75 um PXR8905527 Protective cover, including titanium front screen PXR8905521 PXR HUB NDT Kit PXR8903557 PXR Studio SW, NDT full licence - 2 years PXR8903553 PXR Alpha System Case (small) PXR8903741 PXR Panel mount strap set PXR8903691 PXR Magnetic Panel Holder Set	

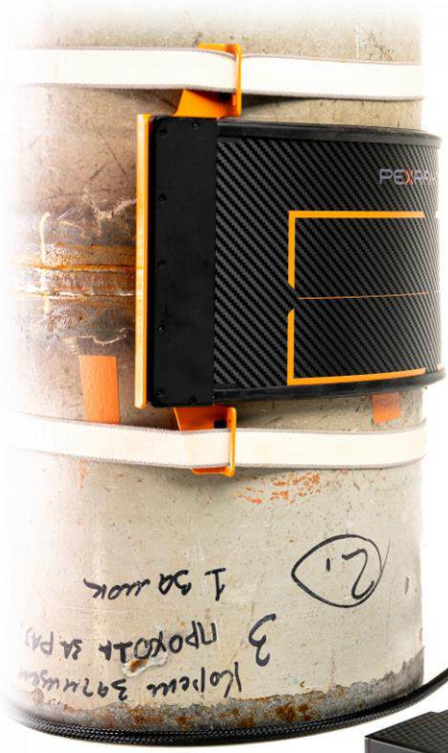
PXR Alpha Panel Kits - Corrosion

ID	Description	Illustration
PXR8903671	**Alpha 25 NDT Kit** Optimal set for weld seam inspections for thicker materials and corrosion inspection. To be used with 3rd party X-ray sources. Medium size panel fits well also into tighter spaces. PXR8903151 PXR Alpha 25 Panel, 124 um PXR8905527 Protective cover, including titanium front screen PXR8905521 PXR HUB NDT Kit PXR8903557 PXR Studio SW, NDT full licence - 2 years PXR8903553 PXR Alpha System Case (small) PXR8903741 PXR Panel mount strap set PXR8903691 PXR Magnetic Panel Holder Set	
PXR8903733	**Alpha 36 NDT Kit** Optimal set for corrosion inspection. To be used with 3rd party X-ray sources. Large panel allows efficient profile inspections over critical areas. PXR8903153 PXR Alpha 36 Panel, 140um PXR8903583 Protective cover for Alpha 36 panel, orange, including titanium front screen PXR8905521 PXR HUB NDT Kit PXR8903557 PXR Studio SW, NDT full licence - 2 years PXR8903813 PXR Alpha 36 Panel Case PXR8903741 PXR Panel mount strap set PXR8903691 PXR Magnetic Panel Holder Set	

PXR Alpha Glass Free Panel Kits

ID	Description	Illustration
PXR8903671	**Alpha 25GF NDT Kit** Novel set for weld inspection of medium thick materials or corrosion mapping. The panel is equally capable of weld and corrosion inspections, and thus provides unique value. PXR8903789 PXR Alpha 25GF Panel, 99 um PXR8903801 PXR Panel Rapid Mount for Alpha 25 GF panel, Titanium PXR8905521 PXR HUB NDT Kit PXR8903557 PXR Studio SW, NDT full licence - 2 years PXR8903553 PXR Alpha System Case (small) PXR8903741 PXR Panel mount strap set PXR8903691 PXR Magnetic Panel Holder Set	
PXR8903809	**Alpha 36GF NDT Kit** Novel set for weld inspection of medium thick materials or corrosion mapping. As a very large panel, the kit more suited for corrosion mapping than weld inspection. PXR8903791 PXR Alpha 36 Panel, Glass Free, 4.15 kg, 99 um PXR8903811 PXR Panel Rapid Mount for Alpha 36 GF panel, Titanium PXR8905521 PXR HUB NDT Kit PXR8903557 PXR Studio SW, NDT full licence - 2 years PXR8903813 PXR Alpha 36 Panel Case (low) PXR8903741 PXR Panel mount strap set PXR8903691 PXR Magnetic Panel Holder Set	

PXR Alpha Flexible Panel Kits

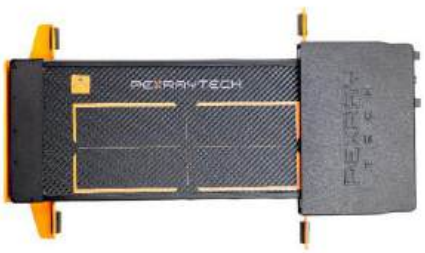


Flexible Panels – New and Hot
Step into the future with our **Flexible Panels**. Designed for pipe weld inspections, these panels deliver **unmatched efficiency** with usability that rivals traditional film.

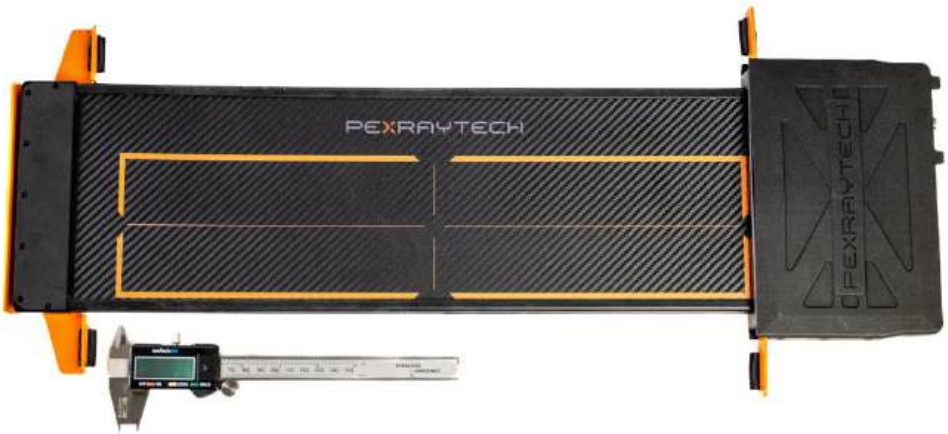
Our Flexible Panels come in **turn-key kits**, including all the essentials you need to get started. Simply choose the PC of your preference.

Discover a new level of convenience and performance with our Flexible Panels—designed to meet the demands of modern inspections.

PXR Alpha Flexible Panel Kits

ID	Description	Illustration
PXR8903749	**PXR Alpha 10x25, Flexible - NDT Kit** Optimal set for weld seam inspections with large diameter pipes and sector imaging. Kit includes: PXR8903743 PXR Alpha 10x25, Flexible, 99 um with control unit, data cable, 2 batteries, charging dock PXR8905521 PXR HUB NDT Kit, for optimal communications PXR8903557 PXR Studio SW, NDT full licence - 2 years PXR8903747 PXR Alpha System Case for Flexible PXR8903741 PXR Panel mount strap set	
PXR8903751	**PXR Alpha 10x43, Flexible - NDT Kit** Optimal set for weld seam inspections with large diameter pipes and sector imaging. Kit includes: PXR8903745 PXR Alpha 10x43, Flexible, 99 um with control unit, data cable, 2 batteries, charging dock PXR8905521 PXR HUB NDT Kit, for optimal communications PXR8903557 PXR Studio SW, NDT full licence - 2 years PXR8903747 PXR Alpha System Case for Flexible PXR8903741 PXR Panel mount strap set	

PXR Alpha Flexible Panel Size Comparison



Alpha Flexible 10x43

Alpha Flexible 10x25

PXR HUB – Control unit

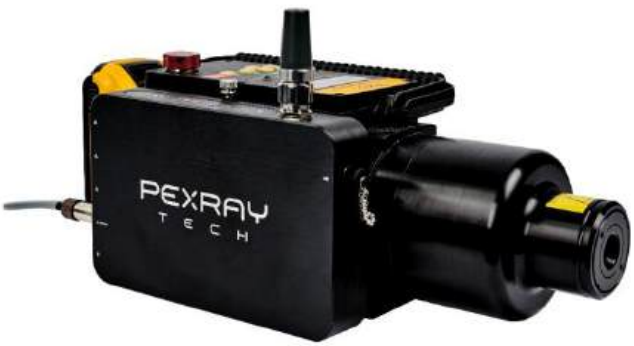
The PXR Hub allows the PXR Panels to reliably connect with Generators and to a PC up to 50 m either wired or wirelessly.

It is a user-friendly, plug-and-play solution for time critical operations. PXR HUB has a very robust design and will serve you in all environments.

When plugged to power supply, the HUB can charge all the Alpha series panels.

Intended to be used in all NDT applications

Sales code:	PXR8905507
Wired Interface	1 x RS232 for Golden Engineering pulsing generators 3 x Ethernet 100 Mbit/s
Wireless Interface	802.11 b/g/n 2.4 GHz
External dimensions [W × H × D]	206 x 115 x 30 mm
Weight	1 kg (2.2 lb)
Power Supply	Li-ion battery
Operating temperature	-20 °C to +60 °C (-4 °F to +140 °F)
Storage temperature	-20 °C to +60 °C (-4 °F to +140 °F)
Protection level	IP 65
Certification and Standards	CE, 2014/53/EU RED
Included in shipment	Charger



PXR Alpha HUB Kits

ID	Description	Illustration
PXR8905521	**PXR HUB NDT Kit** Kit includes: [PXR8905507] PXR HUB, 1 pcs [PXR8903533] Alpha sensor data cable, 7m [PXR8903527] PXR Computer data cable (LF10 - RJ45), 15 m [PXR8905133] PXR Power Supply, 1 pcs	

PXR Studio – Overview

Unlock the full potential of digital radiography and Non-Destructive Testing (NDT) with PXR Studio, a cutting-edge software meticulously crafted to meet the stringent requirements of **ISO 17636-2**, PXR Studio is your partner in precision imaging and analysis.

Key Features:

Industry-Optimized Design: PXR Studio is purpose-built for digital radiography and NDT, ensuring uncompromized performance in industrial applications. Developed in-house, it draws upon Pexray's extensive X-ray expertise in Medical and Industrial imaging.

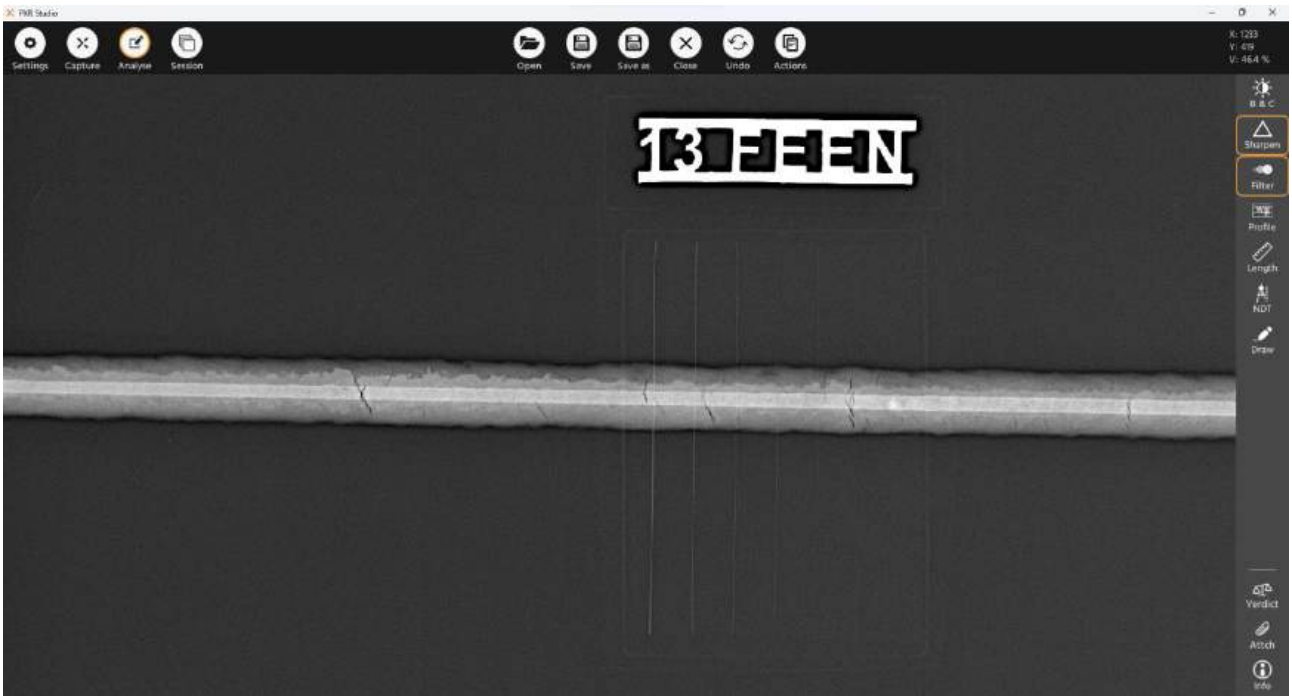
Compliance with ISO 17636-2: Designed to meet ISO 17636-2 requirements. PXR Studio is engineered to adhere to these rigorous standards, providing you with a software solution that not only meets but exceeds industry regulations.

Intuitive Workflow and Touch-Friendly Interface: Experience a state-of-the-art workflow with an intuitively designed, modern user interface. Crafted for touch use in the field, our interface streamlines operations, allowing you to focus on what matters most – accurate results.

Multilanguage Support: PXR Studio recognizes the global nature of your work. With comprehensive multilanguage support, break down communication barriers and collaborate seamlessly across diverse teams.

Effortless System Updates: Stay ahead with PXR Studio's hassle-free system updates. No need for technical support – enjoy the convenience of over-the-air updates, ensuring your software is always up-to-date with the latest features and enhancements.

Operating Systems: Compatible with Windows 10 and 11.



Capture Module – Revolutionizing NDT Workflow

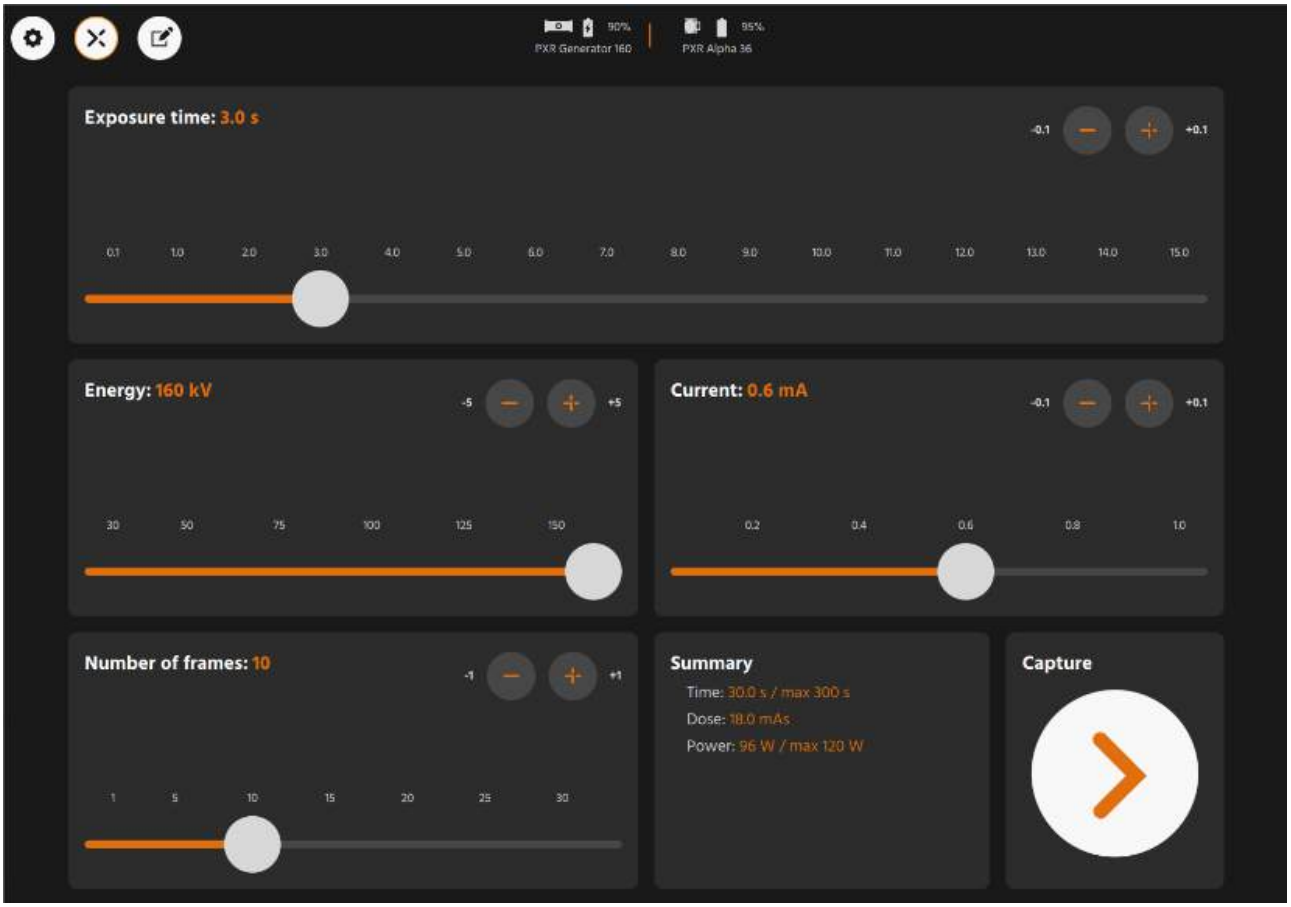
Experience efficiency like never before with our cutting-edge Capture Module, a vital component of PXR Studio software. Here's why it stands out:

Streamlined Workflow: Say goodbye to complexity. Our Capture Module is meticulously crafted to streamline your workflow, ensuring a seamless and efficient NDT process.

Optimized for Tablets and Touchscreens: Embrace speed with a software designed with tablets and touchscreens in mind. Navigate effortlessly, enhancing user experience and productivity.

Complete System Control: Take charge of your entire system with unprecedented ease. Efficiently control the generator and sensor panel, empowering you to fine-tune settings with precision.

Automatic Device Detection: No more manual hassles. Our Capture Module automatically discovers connected devices, saving you time and ensuring a hassle-free setup every time.
Embrace the future of non-destructive testing with the Capture Module - where speed, control, and efficiency converge.



Analyse Module – Unleashing Precision in Image Processing and Analysis

Embark on a journey of uncompromised image analysis with our Analyse Module, a pivotal element within our X-ray software tailored for non-destructive testing (NDT). Here's why it stands out:

Super Smooth Image Processing: Experience the power of speed. Enjoy super-smooth and rapid image processing, ensuring you stay ahead in the dynamic world of NDT.

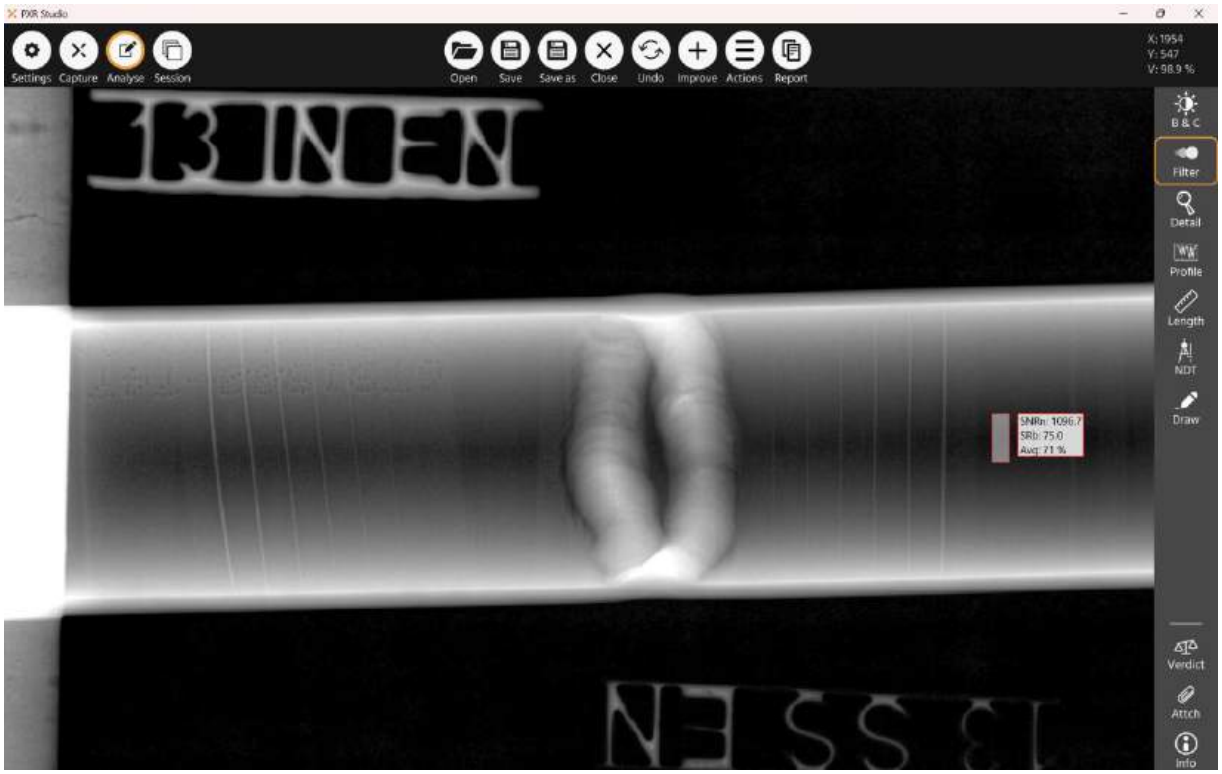
Dedicated Filters for Optimal Quality: Elevate your visual experience with dedicated filters crafted for optimal image quality. Witness clarity like never before, helping you to carve out the finer details in every scan.

NDT-Specific Toolsets: Precision meets purpose. Our Analyse Module houses specialized toolsets designed exclusively for non-destructive testing. Unleash the full potential of your inspections with tools finely tuned for NDT applications.

Image Classification Made Simple: Navigate through data effortlessly. Classify images seamlessly, enhancing organization and providing a structured approach to your analysis process.

All-in-One Efficiency: No more compromises. The Analyse Module bundles everything you need into a single, super-efficient package. Simplify your workflow without sacrificing functionality.

Unleash the power of precision in every scan with the Analyse Module - where speed, quality, and efficiency converge seamlessly.



Session Module – Elevating Project Management in NDT

Session Module: Elevating Project Management in NDT

Introducing the Session Module, Pexray's comprehensive solution for project management within our advanced X-ray software designed for non-destructive testing (NDT). Discover the seamless fusion of efficiency and organization:

Effortless Project Management: The Session Module is your key to streamlined project management within the realm of NDT. Experience a cohesive solution that simplifies your workflow from start to finish.

Centralized Image Storage: Session allows you to store your invaluable final images in a single repository, ensuring easy access and efficient management of your crucial data.

Efficient Image Navigation: View, sort, and access your images with unprecedented ease. The Session Module empowers you to navigate through your visual data efficiently, enhancing your overall project experience.

One-Click Image Export: Tailor your deliverables effortlessly. Export your images to multiple formats with a single action, catering to the specific needs of your clients and expediting your reporting process.

Excel Reports for Comprehensive Reporting: Elevate your reporting workflow with extensive MS Excel reports. No more separate notes, record all you need directly with PXR Studio.

PXR Studio – Licenses

Sales code: PXR8903753	**PXR Studio SW, NDT full licence - 2 years** All features included, also Capture module to control all PXR NDT products. Updates and support included for 2 years. After 2 years the SW keeps working, but updates are not included anymore.
Sales code: PXR8903755	**PXR Studio SW, NDT analyse licence - 2 years** Includes Analyse and Session modules. Device control and image capturing not included. Recommended for office workstations for image analysis and reporting. Updates and support included for 2 years. After 2 years the SW keeps working, but updates are not included anymore.
Sales code: PXR8903785	**PXR Studio SW, NDT full licence extension - 2 years** Extend your NDT full licence with 2 years period
Sales code: PXR8903787	**PXR Studio SW, NDT analyse extension - 2 years** Extend your NDT analyse licence with 2 years period

Laptops & Tablets

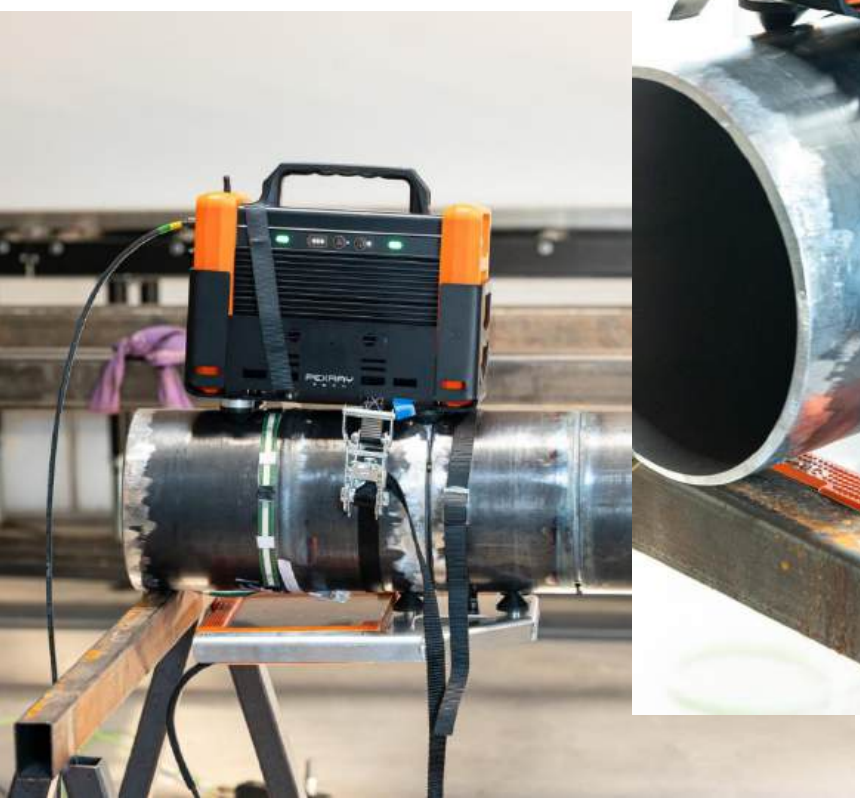
Sales code: PXR8903721	**PANASONIC FZ-G2 RUGGED TABLET 10.1“** Most rugged of them all. When extreme ruggedness is required, this the right tool for the job. 10.1", 1920 x 1200 1.000cd/m² brightness IP65 water and dust resistant, MIL-STD 810H certified	
Sales code: PXR8903773	**Scandic keyboard for PANASONIC FZ-G2 RUGGED TABLET** Add on keyboard for Panasonic tablet. Critical productivity tool for inputting important image information for reporting.	
Sales code: PXR8905097	**TOUGHBOOK 55 mk3 14” Full-HD Touch Screen, semi-rugged laptop** Strongly recommended for NDT work: excellent combination of ruggedness, large and high-performance screen for image analysis – and finally keyboard for inputting important image information for reporting. 1.000cd/m² brightness Up to 10 hours battery life with standard battery IP53, -29°C to +60°C	
Sales code: PXR8903765	**Zebra TC22 mobile computer, with charger** Handheld, super rugged Android unit. Intended as GEN160 control unit. Rugged: IP65, drop protection according to MIL-STD 810H	

Accessories Duplex wire IQI

Duplex Wire IQI, ISO 19232-5, ASTM E2002 - D13 **Sales code: PXR8903829**	**Duplex Wire IQI, D13** Duplex wire IQI set for resolutions up to D13. Suitable for all DR applications. Comes with practical holder that helps to align the Duplex at correct 5-degree angle and adds markings on top of the line pairs. (image below displays model up to line pair D15)	

Accessories GEN160 Attachment

PXR GEN160 Pipe Mount Kit **Sales code: PXR8903665**	PXR GEN160 Pipe Mount Kit Mounting kit to securely and easily mount the PXR GEN160 on larger pipes for sector imaging. Easy to setup, easy to move around the pipe for sector imaging.	



Accessories PXR Panel Rapid Mounts

PXR Panel Rapid Mounts for **PXR Alpha 17: PXR8903835** **PXR Alpha 25GF: PXR8903801** **PXR Alpha 36GF: PXR8903811**	**PXR Panel Rapid Mounts are novel and unique design** that enable user to secure the panel on piping easily and securely. The attachment is easy, fast and most importantly can be operated by a single person. Unlike traditional belts and buckles, this provides outstanding speed of operation. Titanium provides optimal scratch resistance, and while being very thin provides only minimal attenuation and thus works very well for ***weld inspection***. Available for Alpha 25GF, Alpha 36GF and Alpha 17.

Rapid Mounts

Revolutionary new attachment enables operators to mount the panel securely and quickly in one-hand-operation.

Streamlined design embraces the thin panels, maximizing the accessibility in tight spaces.

Optimized for weld inspections.

Accessories Panel Attachment

PXR Magnetic Panel Holder Set **Sales code: PXR8903691**	PXR Magnetic Panel Holder Set, 4 pcs Very strong magnets to hold any Alpha panel on steel wall or even under a roof	
PXR Panel mount strap set **Sales code: PXR8903741**	PXR Panel mount strap set Stretching straps, set of 2: 100cm + 200cm Must-have mounting accessory for pipe sector imaging. Will hold the panel nicely and allows smooth movements from sector to sector-	

Accessories Cases

PXR Alpha System Case (Large) **Sales code: PXR8901197**	Fits: Any Alpha panel, PXR GEN160 or Golden XRS3 generator, computer and accessories. External dimensions: 687 x 528 x 366 mm	
PXR Alpha System Case (small) **Sales code: PXR8903553**	Alpha system case for panel kits. Fits: Alpha 17, 23 or 25 panel, HUB, Cables and chargers, Tablet / laptop. Weight: 7.5 kg External dimensions: 604 x 473 x 283 mm	
PXR Alpha System Case for Flexible Panels **Sales code: PXR8903747**	Alpha system case for flexible panel kits. Fits: PXR Alpha 10x25 or 10x43 panel, HUB, Cables and chargers, Tablet / laptop. Weight: 7.5 kg External dimensions: 850 x 440 x 158 mm	
PXR GEN160 Kit Case **Sales code: PXR8903601**	Fits PXR GEN160 Stand alone kit. Weight: 7.5 kg External dimensions: 604 x 473 x 283 mm	

Accessories

Protective cover for Alpha panels, orange **PXR Alpha 17: PXR8905527** **PXR Alpha 23: PXR8903675** **PXR Alpha 25: PXR8905529** **PXR Alpha 36: PXR8905583**	**Protective cover for PXR Alpha panels** Provides excellent extra protection for the panel. Highly recommended.	
PXR Battery **Sales code: PXR8905033**	Spare battery for PXR GEN160 family 21.9 V, 60.23 Wh, Li-Ion Battery	
PXR Battery Charging Dock **Sales code: PXR8905051**	PXR Battery Charging Dock for charging the spare batteries. Compatible with PXR Power Supply	
PXR Power Supply **Sales code: PXR8905133**	PXR 48 VDC Power Supply For PXR HUB and GEN160 family	
PXR8903707	PXR Battery and charging dock kit Set of chargers and batteries for generator heavy users. Kit includes: - PXR8905051, PXR Battery Charging Dock, 1 pcs - PXR8905133, PXR Power Supply, 1 pcs - PXR8905033, PXR Battery, 2 pcs	

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Accessories

PXR Alpha Panel Spare Battery Set **Sales code: PXR8905517**	**PXR Alpha Panel Spare Battery (2 pcs)** For Alpha 17, 23, 25 and 36 panels	
PXR8903727	**PXR Alpha Panel Battery Charging Dock - Classic Panels** Spare battery charging dock for following panels: Alpha 17, Alpha 23, Alpha 25, Alpha 36	
PXR8903723	**PXR Alpha Panel Spare Battery for GF & Flex Panels** Spare battery for following panels: - Alpha Flexible 10x25 and 10x43 -Alpha 25GF and 36GF Package includes one pair of batteries (2 pcs)	
PXR8903851	**PXR Alpha Panel Battery Charging Dock - Glass Free Panels** Spare battery charging dock for following panels: -Alpha Flexible 10x25 and 10x43 -Alpha 25GF and 36GF	
PXR8903849	**Power Supply for Battery Charging Dock** Power supply for all Alpha line panels.	

Accessories

PXR Generator Tripod Set (Heavy duty) **Sales code: PXR8903611**	Heavy duty head is able to carry large generators, as PXR GEN160 and XRS4. Folded Length: 760mm Maximum Operating Height: 1,900mm Weight: 3,670g	

Cables

PXR8903533	Alpha sensor data cable, 7m To connect Alpha panels to PXR HUB.	
PXR8905011	PXR Computer data cable (LF10 - RJ45), 3m To connect PXR HUB or PXR SIU to computer.	
PXR8903529	PXR Computer data cable (LF10 – LF10), 3m To connect PXR HUB to PXR GEN160-09.	
PXR8903527	PXR Computer data cable (LF10 - RJ45), 15 m To connect PXR HUB or PXR GEN160 to computer.	

Cables

PXR8903701	PXR Safety Interlock Unit Control Cable, 20 m To connect PXR GEN160 family generators to Safety Interlock Unit	
PXR8903699	PXR Safety Interlock Unit Door Switch Cable To connect PXR Safety Interlock Unit to door switches. Cable has open ends for door switch connection.	
PXR8903697	PXR Safety Interlock Unit Door Switch Bypass Connector To bypass the door switch of PXR Safety Interlock Unit, when working out in the field	
PXR8903535	Adapter cable (LF10-12P to LF10-12P) 0.2 m Extension adapter cable To connect cables PXR8903533 and PXR8903527 together.	
PXR8905013	PXR Computer data cable + reel (LF10 - RJ45), 50m To connect PXR HUB to computer.	
PXR8903531	Control cable, PXR HUB to Golden Engineering pulsing generator, 30 cm	
	Custom length cables: Pexraytech can also produce cables at custom lengths to match your requirements. Please contact us for quotation.	

Pexray Oy
Tekniikantie 12
02150 Espoo
Finland

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PEXRAYTECH

Pexray Oy
Tekniikantie 12
02150 Espoo
Finland

sales@pexraytech.com
www.pexraytech.com