

LABQUIP

NDT

Battery-driven X-ray generator

PXR GEN160-09

Cut the cords. Keep the power. 160 kV in 12 kg.

PEXRAY
T E C H



FIELD-READY, PORTABLE X-RAY GENERATOR

Zero cables. Long battery life. Ultralight design.

The PXR GEN160-09 is built for true mobility, delivering long-lasting battery power so you can work anywhere without interruption. Weighting only **12 kg**, it enables tens of exposures on a single charge—no constant power connection, no cables, and no workflow delays.

Powerful penetration performance

Despite compact, battery-driven design, the PXR GEN160-09 delivers serious power. With **160 kV** and **1 mA** output, it's built for demanding field use, offering strong steel penetration, **ISO 17636-2 Class B** compliance, and efficient exposure times when paired with digital radiography.

0.9 mm FS. Shorter distance, less dose, maximum efficiency

PXR GEN160-09 features a **0.9 mm focal spot** that captures sharp, precise details you can rely on. The small focal spot allows very short SDD, resulting in shorter exposure times and reduced radiation dose.

No preheating. No downtime.

PXR GEN160-09 requires virtually no preheating, you can start working immediately and keep the momentum going.



"Portability is a major benefit. The battery-powered generator is easy to move and powerful enough for thinner material thicknesses. In challenging environments — for example, when climbing ladders to reach high locations — all you need is a backpack and the generator."

— DEKRA Industrial, NDT Inspector

"The PXR GEN160-09 covers nearly all our inspections — about 80–90%. The battery has performed really well, with no need for preheating and no cables to deal with."

— NDT-Team, NDT Inspector

"The radiation safety of the generator is excellent. The radiation source is not continuously active as in traditional methods."

— DEKRA Industrial, NDT Inspector

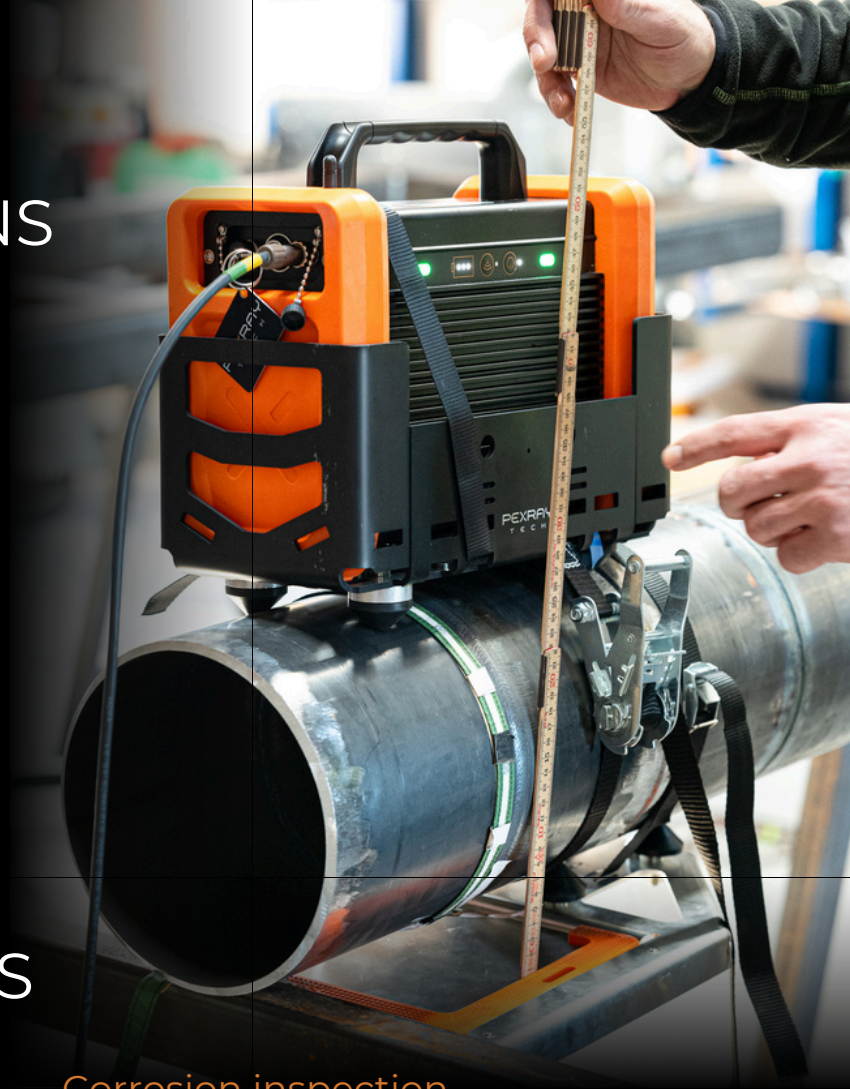
FLEXIBLE MOUNTING OPTIONS

Fast & sharp

One of the biggest challenges in DR inspection is how to securely attach the digital system to the pipe. Pexray has solved this by developing the fastest and most field-proven mounting solutions on the market, verified by leading NDT inspectors worldwide.

To match the demands of any environment, it comes with versatile mounting options:

- 1) Pipe mount:** Secure the system quickly and reliably to pipes.
- 2) Tripod:** Set up the tripod on stable ground for steady, consistent positioning.



MAIN APPLICATIONS

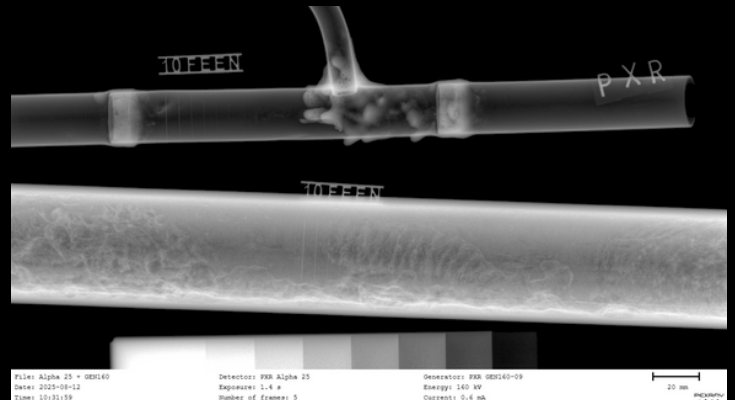
Weld inspection

PXR GEN160-09 delivers high-resolution radiographic images that support precise evaluation of weld quality and compliance with industry standards.



Corrosion inspection

PXR GEN160-09 is well-suited for the double-wall method, enabling effective inspection of insulated pipes, sprinkler systems, cooling systems, and low-pressure water pipes in buildings.



Integrated with Pexraytech system - or can be used with any detector, CR or film system



TECHNICAL SPECIFICATIONS



Waveform	Constant potential
Output range	30 kV to 160 kV
Output current	0.1 mA to 1.0 mA
Maximum exposure time	300 seconds continuous for single exposure, duty cycle 83%
Focal spot size	0.9 mm at 160 kV (according to EN 12543-2:2021)
Beam angle	Cone beam 50°
Battery life	Typical 30 min @ 160 kV, 1 mA
Weight	12 kg with batteries
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)

Always sold as a complete kit

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.



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