

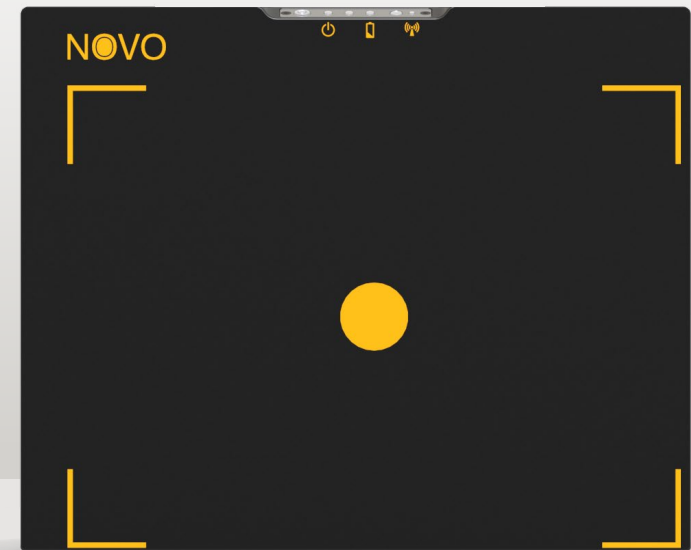
NOVO

Digital Radiography

The Leaders in Portable DR Systems

NOVO 12 HRN NDT Detector

Amorphous Silicon, 75 μ m Pixel Size

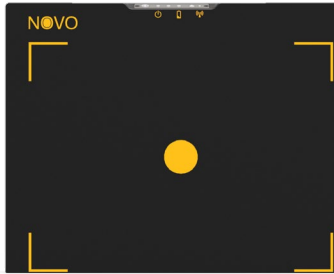


NOVO 12HRN Detector

The NOVO 12HRN Detector is a High Resolution, **Amorphous Silicon** Technology Detector with a **75µm pixel size**. When needed this technology allows for long exposure times (for high thickness materials) while keeping a very low noise level unlike other technologies such as CMOS.

This technology, together with the NOVO Professional Touch Software makes NOVO DR the first company with a DR system that supports the **ISO 17636-2 Class B** requirements for the **entire** thickness range while using **One** Detector only!

- 75µm pixel size
- Supports **ISO 17636-2 Class B** requirements from under 1mm and up to >50mm of steel
- Reduced averaging (frame integration) needed due to very low noise
- Minimal dead space – Active area starts **3mm** from the bottom of the detector
- Quick removable, rechargeable battery
- Wireless & wired operation
- Removable handle
- Compatible with NOVO's Discovery systems as a second Detector



NOVO 12 HRN Detector

Detector Model	NOVO 12 HRN Detector
Detector Imaging Area	6.8" x 9.0" (17.3cm x 22.9cm)
Detector Size	8.2" x 10.1" (20.8cm x 25.6cm)
Active Area (Imaging Area / Detector Size)	74% Active Area
Detector Weight	5.3 lbs. (2.4kg)
Detector Load Proof	661 lbs. (300kg)
Detector Drop Test	20" (50cm)
Detector Thickness	1.1" (27.5mm)
Bit Depth	16 bit
Life Span	Over 100K rem*

* Over 100K rem of direct exposure on the detector

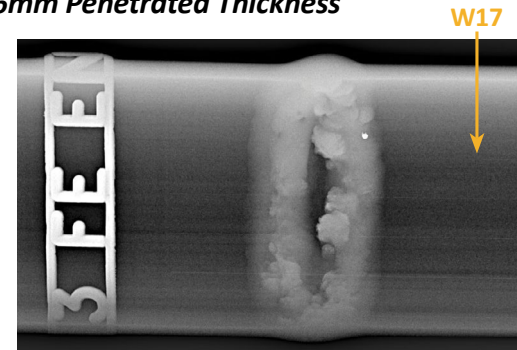
2mm Stainless Steel Plate

IQI Source Side - W19
 Class B Compliant
 Detector: NOVO 12 HRN
 KVP: 160kv
 Current: 0.5mA



Stainless Steel Pipe 6mm Penetrated Thickness

IQI Source Side - W17
 Class B Compliant
 Detector: NOVO 12 HRN
 KVP: 160kv
 Current: 0.5mA



Duplex Wire

According to ISO 17636-2 Class B - **D12 (63µm)**
 According to Boeing 7044 Ver C Spatial Resolution - **less than 80µm**

