GE Measurement & Control Solutions

DXR250 Direct Radiography

The DXR250 provides a large active area, enabling easy film replacement. The DXR250 utilizes a CsI scintillator with optimized noise and resolution parameters to provide premium imaging over a wide range of parts and material types. GE's **Inspection Technologies** business detectors incorporate a temperature controller, allowing for longer calibration intervals and quick consistent images.

Features and Benefits

- Large imaging area
- CsI scintillator for premium image quality
- Temperature controller for stable offsets over longer periods, enabling more consistent imaging and fewer calibrations

Applications

- Film replacement
- Pipe manufacturing
- Large castings
- Integrated manipulation systems







Detector Characterization Charts

The detector characterization charts provided on the left are completed in accordance to ASTM E2597-07 Standard Practice for the Manufacturing Characterization of Digital Detector Arrays. This standard allows for the direct comparison of DDAs by ensuring data is collected and reported in a consistent and specified manner. The standard also enables guidance for the appropriate pairings of detectors with applications.

Pixels are identified as bad per one or more of the seven definitions described in the ASTM E2597-07 document. The pixels marked as bad will be corrected through GE's software utilizing data collected from good neighborhood pixels.

Technical Specifications

Detector Specifications		
Flat Panel Type	Amorphous Silicon	
Scintillator Material	Csl	
Active Area (approx.)	410 x 410 mm (16 x 16 in)	
Image Formate	2048 × 2048	
Pixel Pitch	200µm	
A/D Conversion	14 bits	
Max. Frame Rate	7.5 fps	
Interface	Fiber Optic	
Dynamic Range	10,000:1	
Dimensions	562 x 454 x 52.5mm	
Weight	27.7 kg (61 lb)	
Operating Temperature	10° to 35° C (50° to 95° F)	
Operating Humidity	10-90% non-condensing	
Power Supply		
Voltage	100-240V, 50-60Hz	
UT Output Connector	163 x 287 x 56 mm (6 x 11 x 2 in)	
Weight	3 kg (7 lb)	

Temperature Controller	
Voltage	100-240V, 50-60Hz
Dimensions	220 x 286 x 382 mm (9 x 11 x 15 in)
Weight	8 kg (19 lb)



Efficiency = SNR @ 1mGy

www.ge-mcs.com/x-ray

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