XPRESS Scan **GW**

XPRESS Scan **DW**

XPRESS Scan
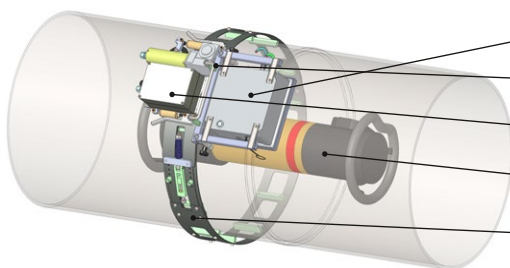
mobile digital radiography system is intended for single wall or double wall penetration of ∅ 300–1420 mm pipe welds for pipeline construction or repair.

- No consumables, film processing, or phosphor plates scanning
- No darkroom, no environmental issues
- Image quality class B acc. ISO 19232-5, ISO 10893-7, ISO 17636-2
- Battery operated
- Wireless data transfer
- 3 minutes installation
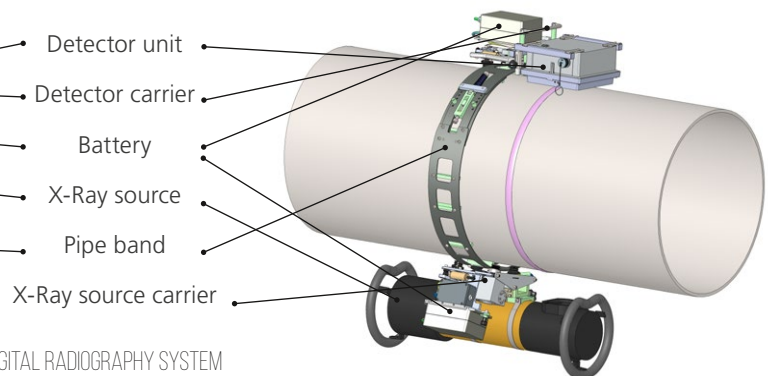- External storage under DICONDE protocol

Xpress scan digital radiography system provides:

- lower inspection costs by eliminating consumables (X-ray film and film processing chemicals), film processing equipment, film storage facilities;
- compatible with any X-ray source and any crawler;
- inspection results obtained online make it possible to correct welding settings to avoid more defects;
- perfect conditions for image examination (zoom, optimal contrast, image enhancement procedures) and inspection protocol preparation;
- easy to use database.

LAYOUT OF XPRESS SCAN GW

LAYOUT OF XPRESS SCAN DW

Detector unit
Detector carrier
Battery
X-Ray source
Pipe band
X-Ray source carrier

DIGITAL RADIOGRAPHY SYSTEM

SYSTEM SPECIFICATIONS

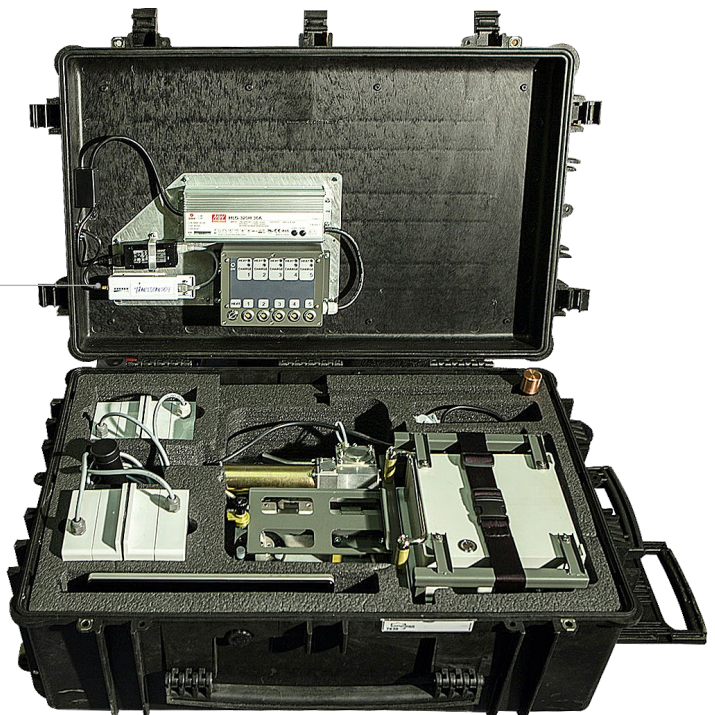|	Xpress Scan GW	Xpress Scan DW
Detector	Resolution: 4 lp/mm (127 μm pixel size) Image size: 145 mm × 145 mm X-ray energy: up to 300 keV Operating temperature: –40°C to +45°C	
Produc-tivity	6 min/weld	16 min/weld
	Pipe D=1420 mm (21 mm thick)	
Image Storage Capacity	200 datafiles (1420 mm weld)	
Data Transfer	Data transfer to the operator's laptop with Wi-Fi, up to 300 m. Data storage: internal memory of the detector; in case of Wi-Fi connection failure, the exposure continues, and the data is secured	
Inter-national Protec-tion Code	IP 67	
Power Supply	Power supply/charger: 110-220V AC Detector power supply: 5 Li-Ion batteries (UN 38.3 certified). Battery life 2 hours x 5 batteries = 10 hours X-Ray source carrier: the second set of 5 Li-Ion batteries	
Dimen-sions and Weight	Transportation case: 860×560×360 mm, 52 kg	Transportation cases: 860×560×360 mm, 52 kg, 860×560×360 mm, 45 kg
	Titanium pipe band (∅1420 mm): ∅1000×130 mm, 9 kg	
Scope of Delivery	Detector with carrier External battery, 5 or 10 units Transportation case with battery charger & WiFi access point Magnet-mounted WiFi antenna Accessories kit Notebook with DiSoft software Titanium pipe band according to the pipe diameter (12"…56" by request) X-Ray source's carrier (for TestXRay DW)	

XVu SOFTWARE

XVu

Real-time X-ray image acquisition. Exposure control, image processing and archiving using XVu software.

X-ray images are stored in DICONDE data format (ASTM E2339–11). Data protection from tem-pering, compatibility with conventional image formats (tiff16, bmp, jpg), image enhancement. Inspection date, time and GPS coordinates stored in datafile.

Single image built for the whole weld length.