



# WIRELESS DIGITAL RADIOGRAPHY SYSTEM DIGIXRAY



## DIGIXRAY

is designed for digital radiography of girthwelds of pipes  $\varnothing \leq 500$  mm, lockin and connecting pipe elements.

- No consumables
- High image quality
- Wi-Fi data transmission
- Battery power supply for > 2 hours
- Working temperatures from  $-40$  °C to  $+45$  °C
- DICONDE files

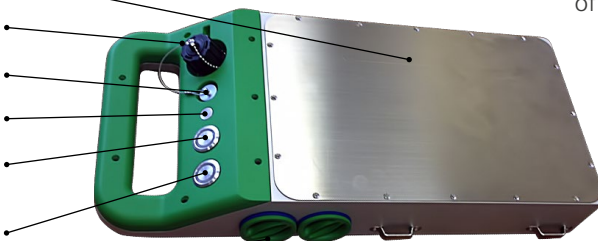
## DIGIXRAY

digital radiography system provides:

- lower testing cost and time due to the absence of X-ray films, chemicals and film processing devices;
- lower exposure time and lower X-ray doses due to high sensitivity of digital radiography detector;
- flexible data monitoring from the online database.

## DIGIXRAY SYSTEM AND IT'S ELEMENTS

- Detector unit
- USB connector
- LEMO connector
- Microphone
- Control button
- On/Off button
- Accumulators



Sensitive area of the detector



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## SYSTEM SPECIFICATION

<b>Detector</b>	a-Si
<b>Scintillator</b>	CsI/Gadox
<b>Active area</b>	146 × 146 mm
<b>Image size</b>	1152 × 1152 pixels
<b>Pixel size</b>	127 micron
<b>A/D conversion</b>	16 bits
<b>Minimal exposure time</b>	30 ms
<b>Maximal exposure time</b>	10 min
<b>Data transmission</b>	Wi-Fi 802.11 g/n USB 2.0
<b>Dynamic range</b>	50000:1
<b>Detector unit size</b>	442 × 202 × 67 mm
<b>Detector unit weight</b>	4.9 kg (including accumulators and protection shell)
<b>Working temperatures</b>	-40 °C to +45 °C
<b>Storage temperatures</b>	-40 °C to +70 °C
<b>Protection class</b>	IP 65 (water jets)
<b>Power supply</b>	Two accumulators or 110-220 V/50-60 Hz power supply unit
<b>Accumulators</b>	Li-ion, 10 Ah, 7.2 V (lifetime — 2.5–3 hours)
<b>Spare accumulators</b>	8 pcs (4 sets of 2 pcs)
<b>Data storage</b>	Energy-independent memory of the detector



## XVu SOFTWARE

- Real-time acquisition of X-ray images
- Imaging parameters control, image processing, image database management.
- Digital images and service information in DICONDE format according to ASTM E2339-11 readable by other producer's software.
- Imaging date, time and GPS coordinates stored.

