



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

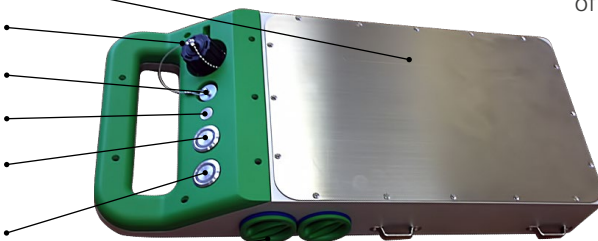
DIGIXRAY

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



WIRELESS DIGITAL RADIOGRAPHY SYSTEM
DIGIXRAY



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SYSTEM SPECIFICATION

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

