

ROBUST & WIRELESS

DRC 3643 NDT

FLAT PANEL DETECTOR



Digital Intelligence - Ready to Change.
www.duerr-ndt.com



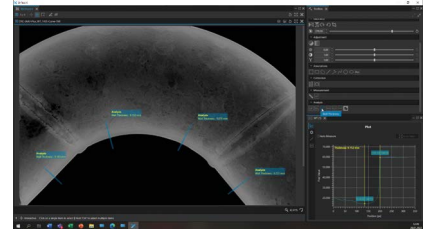
Technical data

DRC 3643 NDT

| | |
|---|---|
| Active area | 430 mm x 358 mm (16.9" x 14.1") |
| Dimensions (H x W x D) | 439 mm x 465 mm x 20 mm |
| Weight | 6.6 kg (14.5 lbs) |
| Number of pixels | 3072 x 2560 |
| Exposure time | 0.5 s to 180 s |
| Image transfer time (wired/wireless) | 0.7 s / 1.8 s |
| Max. energy | 350 kV (for long life in typical applications), Isotopes (higher energies possible) |
| Pixel pitch | 140 µm |
| Scintillator | GOS |
| ADC | 16-bit |
| Interface | Gigabit Ethernet, WLAN: 2.4 GHz SISO 802.11n/5GHz MIMO (2T2R) 802.11ac |
| Battery | Lithium-ion (7.4 V, 4000 mAh) |
| Operating conditions | 0 to 45°C (32 to 113°F), 30 to 85 % humidity |
| Protection level | IP67 (dust-tight and waterproof) |
| Housing | Aluminum frame, carbon-fiber entrance window |
| Software | DÜRR NDT D-Tect X |
| Scope of supply | Detector, 2 batteries, battery charger, Ethernet and power adapter cable |

Important features

- ✓ 140 µm pixel pitch (3.6 LP/mm)
- ✓ Suitable for X-ray and gamma sources
- ✓ Equipped with an internal shielding for use up to 350 kV
- ✓ Extremely robust design with non-glass TFT sensor
- ✓ Hot-swap function enables battery change during operation
- ✓ Built-in wireless access point
- ✓ Connector for Gigabit Ethernet and power
- ✓ 1 meter drop test pass



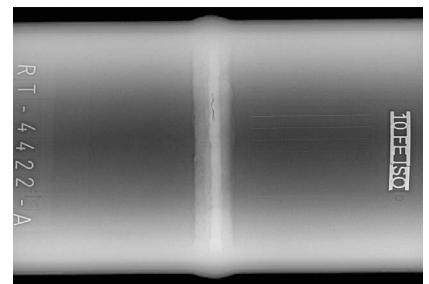
With the Advanced Wall Thickness Tool of D-Tect X, you can easily analyze the wall thickness at one or more points along the walls of a pipe.



Two screw-on WLAN antennas ensure a wide range and stable connection.



The hot-swap function enables a quick and easy battery change during operation.



Sample image: stainless steel, perpendicular technique, slag inclusion.

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