

Amadeo M-DR mini

Portable X-ray solution for ambulatory and inpatient care

Lightweight and portable al-in-one solution for both portable use and bedside examinations in hospital intensive care units

The Amadeo M-DR mini system includes all necessary components such as X-ray detector, X-ray generator and image processing workstation. The latter is delivered with our globally proven acquisition and diagnostic software package that includes a convenient X-ray positioning guide for fine adjustments. With the compact Amadeo M-DR mini system, it is possible to obtain X-ray images not only of the extremities, but of all regions of the trunk, including thorax, spinal cord, abdomen and pelvis. The system was specifically developed for doctors and first aid services in remote and inaccessible locations.

The Amadeo M-DR mini can easily be transported due to its low overall weight and compact build. Our modern digital X-ray system can be employed whenever it is not possible to quickly transfer patients to a hospital for diagnostic radiology. The lightweight system can easily be pulled over steps, swivelled in all directions (a huge advantage in confined spaces and elevators) and does not tip over on uneven ground. Its large and sturdy wheels permit effortless movement.

The mobile X-ray system Amadeo M-DR mini are available in the following version:

- **Amadeo M-DR mini** with wireless CSI X-ray detector
14" x 17" (35 x 43 cm)



System benefits

Lightweight & mobile: flexible and location-independent use – the system is one of the most lightweight mobile and wireless full X-ray systems worldwide

Complete: X-rays from head to toe – X-rays of the skull, thorax, pelvis, skeleton and extremities can be taken both on a lying patient and on a sitting or standing patient (up to six images* per minute under full load)

Sophisticated: functional design for low weight – lightweight construction 'made in Germany' provides optimum stability and robustness including splash-proof compartments, the electronic components are covered for safe transport

No interruptions: the integrated battery is able to bridge power outages of several minutes – work can proceed unhindered (very advantageous in case of unstable power supply e.g. in disaster areas)

Uncomplicated: easy to move around & no time wasted in emergency situations – system fits in a normal estate car, can be set up and ready for use in less than two minutes, can be easily pulled up and down stairs, can be rotated on the spot without lifting and is stable against tilting on inclined surfaces

Safe: Control area only 1.5 m* – no further radiation protection measures required for the operator outside the small control area

Excellent: high-quality X-ray detector based on a caesium iodide (CsI) scintillator – top image quality even at low X-ray doses

User-friendly: self-explanatory OR Technology acquisition software *dicomPACS® DX-R* with 3-colour status display on the device

Cleverly designed: integrated X-ray positioning guide helps choose the perfect positioning for each examination inclusive helpful photos, videos and correct X-rays images

Accessibility: integrated diagnostic software offers a worldwide, fast and cost-effective information exchange (via cloud or email)

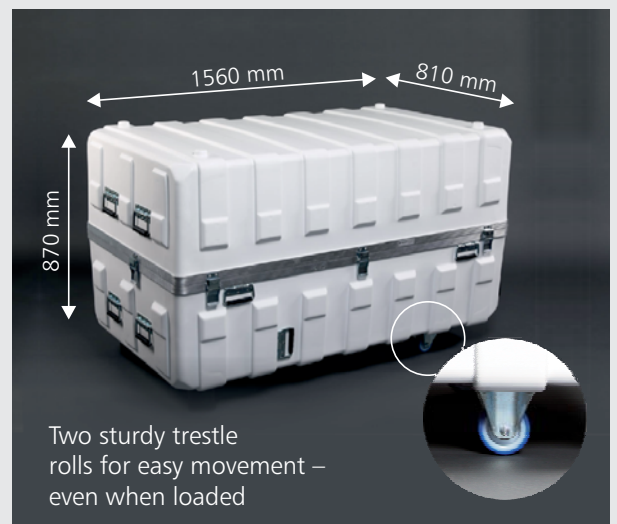
**depending on the X-ray tube*

Detailed information can be found at www.or-technology.com





Measurements



Two sturdy trestle rolls for easy movement – even when loaded

PVC transport box

The PVC transport box offers optimal protection for transporting the Amadeo M-DR mini. Loading the system into the box is easy thanks to the integrated ramp; there is no need to lift the system at all. The X-ray system can be transported in one piece, final assembly is not required.



More information about Amadeo M-DR mini can be found here: www.or-technology.com

Advantages of professional acquisition software

- Modern graphical user interface (GUI) adaptable to almost any language, **touchscreen** operation – to ensure quick and efficient work and a smooth workflow
- Capture patient data via **DICOM Worklist**, **BDT/GDT**, **HL7** or other protocols – data may also be captured manually
- Use **DICOM Procedure Codes** to transfer all relevant examination data directly from the connected patient management system (HIS/RIS)
- Freely configurable** body parts with more than **400 projections** and numerous possible adjustments already included
- Safe and fast **registration of emergency patients** allowing the user to **switch between examinations** of a patient, for instance to avoid having to re-position the patient frequently
- Allows the user to **subsequently add images** to an examination, even after that examination has been completed
- Additional **special functions** including Chiro Tools (diagnostic tools for efficient analyses) and tools assisting with NUCCA examinations
- User-defined macros for recurring examinations**, e.g. thorax screenings
- Fully **integrated radiographic positioning guide** for each examination incl. comprehensive notes, photos, videos and correct X-ray images
- Option to **control** a digital X-ray system **via wireless remote** incl. display of the worklist, preview of the image taken for checking and much more



Standard components

Amadeo M-DR mini system

Components of the mobile X-ray unit

Dimensions: 56,5 x 136,5 cm;
with maximum height positioning: 124,6 x 195,5 cm

Weight: depending on the version



Stand

- Advanced industrial design
- All parts are made and assembled in Germany
- Built-in notebook and X-ray detector compartments
- Excellent stability and mechanical sturdiness yet lightweight
- Stairs are no obstacle to this lightweight X-ray system
- High tipover stability on uneven terrain
- Maximum height setting: approx. 187 cm from the floor while extending the X-ray tube to 55 cm
- Meets even the highest hygiene demands in hospitals



High frequency generator Amadeo P-110/100H

- 5 kW, 110 kV / 100 mA
- Modern LED light
- High-performance capacitor for stable and reliable power supply
- Equipped with remote control functions by hand switch
- Flat touch panel, digital display, LED display reverse
- Constant X-ray output without influence of line power fluctuation
- 7 segment LED read out (reversible): mAs / KV, data storage and store button, LED indicator: ready & exp. wait



Flat panel detector 14" x 17" wireless (35 x 43 cm)



Operation by dicomPACS®DX-R acquisition station

Notebook incl. the professional console software dicomPACS®DX-R with modern graphic user interface with generator control, integrated X-ray positioning guide and basic software modules:

- dicomPACS®DX-R DICOM Send SCU
- dicomPACS®DX-R DICOM Patient CD
- dicomPACS®DX-R Cognition Optimised Processing



Optional components

- Transport boxes for optimum protection (optionally made of plastic or wood); loading the system into the box is easy thanks to the integrated ramp; there is no need to lift the system at all
- DAP meter (Dose area product meter)
- Portable X-ray table, including carrying case
- Portable wall stand, including carrying case
- Mobile table for patient positioning
- VersariX portable X-ray detector mounting system
- Mobile stand for DR detectors and cassettes



Specifications subject to revision without notice

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