



CR MD4.0 GENERAL CASSETTE

CR cassettes with a memory

- > **THE CR MD4.0 CASSETTE IS A USER-FRIENDLY AND DURABLE CR CASSETTE CONTAINING A PHOTOSTIMULABLE PHOSPHOR IMAGING PLATE AND FEATURING A MEMORY CHIP FOR STORING THE DATA ENTERED AT THE ID TERMINAL.**

No change in exposure routine

The CR MD4.0 cassette contains the photostimulable phosphor imaging plate. The CR MD4.0 cassette and plate are compatible with existing X-ray tables. The exposure equipment and routines do not have to be modified when switching from conventional to digital imaging.

Embedded memory

A CR MD4.0 cassette has a permanently mounted memory chip to store the data entered at the ID terminal. The identification is performed by no-touch radiofrequency tagging via a built-in antenna card in the CR MD4.0 cassette. The identification data and the image are thus joined from the beginning and are permanently linked as they pass through the electronic processing system.

User friendly

The CR MD4.0 cassette is lightweight and very comfortable to use. It is made of synthetic material and it is warm and pleasant to the touch, minimizing patient discomfort.

Designed to last

The synthetic material of the CR MD4.0 cassette has a special ribbed structure that provides maximum rigidity. This makes the CR MD4.0 cassette almost indestructible. The corners are rubber protected against accidental dropping.

Foolproof manipulation

The CR MD4.0 cassettes are protected against accidental insertion into Curix film centers, so that even in hybrid conventional/digital departments the occurrence of errors is avoided.

Backscatter protection

CR MD4.0 cassettes are lead-backed to ensure optimal backscatter protection and avoid adverse effects of backscatter on image quality.

Antistatic inner lining

The inner lining of the CR MD4.0 cassette body is made of felt. This ensures a high degree of protection against electrostatic charging, dust collection and mechanical damage on the CR MD4.0 imaging plates.

A unique service

CR MD4.0 cassettes and plates can be ordered separately but Agfa also offers the choice of ordering pre-staged cassette/plate sets. The CR MD4.0 cassettes are in this case loaded with the corresponding imaging plates and pre-initialized in the factory. Using this unique service results in savings in installation and start-up time on site.

Optional High Resolution cassettes

For high resolution reading of 35 x 35 cm and 35 x 43 cm plates, CR MD4.0 HR cassettes are optionally available. The embedded initialization software will drive the readout process to select a pixel matrix corresponding to a spatial resolution of 9 pixels/mm.

TECHNICAL SPECIFICATIONS

Material

- Body: ABS (Acrylonitril butadiene styrene)
- Corners: PUR (Polyurethane rubber)
- Hinges: PP (Polypropylene)
- Inner lining: felt

Sizes

- 35 x 43 cm (14 x 17")
- 35 x 35 cm (14 x 14")
- 24 x 30 cm
- 18 x 24 cm
- 8 x 10"
- 10 x 12"
- 21 x 43 cm (partial scan of dedicated 35 x 43 cm cassettes)
- 35 x 43 cm HR high resolution cassette
- 35 x 35 cm HR high resolution cassette
- 15 x 30 cm dental cassette

Identification

- Embedded memory chip
- Contactless RF identification

Backscatter protection

- 150 µ lead

Weight

- 35 x 43 cm typical 1.6 kg

Standards

- DIN 6832 part1 nr.2
- ANSI/NAPM IT 1.49-1995
- IEC 406 (draft 1995)

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