



## **CR 25.0 DIGITIZER** for Computed Radiography

*Small footprint digitizer for  
a unique range of clinical  
applications*

For a broad range of applications



### > **CR 25.0 IS A MULTI-APPLICATION DIGITIZER, BENEFITING FROM THREE DIFFERENT IMAGE RESOLUTION MODES.**

#### ***Broad range of applications***

CR 25.0 is a highly versatile digitizer. It offers an ideal solution for any decentralized CR environment. CR 25.0 can handle General Radiology, Orthopedics, Dental and Pediatric applications.

CR 25.0 is also a perfect complement to existing centralized CR systems.

#### ***Full data***

CR 25.0 reads imaging plates at a standard resolution of 6 pixels/mm. 10 pixels/mm high resolution capability is available for all image plate sizes. 20 pixels/mm resolution will be available for dedicated 18 x 24 cm and 24 x 30 cm mammography and extremities cassettes and plates.

# **CR 25.0 DIGITIZER**

for Computed Radiography



CR 25.0 can easily be placed at any location, even in combination with the CR User Station.



Integrated CR User Station for time-saving identification and optimized workflow



## **Small footprint**

The small CR 25.0 footprint allows it to be placed easily at any location. Designed with ease of use in mind, it requires only a standard wall-outlet. Together with a universal X-ray shielding, optionally available, the CR 25.0 can be used inside the X-ray room.

In combination with a mobile kit, it is also fit for mobile use (vans, ships, military,...).

## **Universal CR User Station**

Optionally, a fully integrated CR User Station is available. The CR User Station is suitable for all CR environments:

- Decentralized CR  
(Surgery, Intensive Care Unit, Emergency Room,...)
- Personal CR
- In-room CR solutions.

Its modular and ergonomic design includes:

- Cassette identification functions
- Space for:
  - Workstation for image handling, processing and dispatching
  - Monitor, network switches and UPS
  - Cassette storage

## **An economical way to go digital**

CR is compatible with all existing X-ray systems allowing X-ray departments to go digital without significant additional investments and workflow adaptations.

## > CASSETTE SIZES

ACCEPTED CASSETTE SIZES	SPATIAL RESOLUTION	PIXEL MATRIX SIZE
<b>Standard resolution</b>		
35 x 43 cm (14 x 17 in)	6 pixels / mm	2320 x 2826
35 x 35 cm (14 x 14 in)	6 pixels / mm	2320 x 2320
<b>High resolution</b>		
35 x 43 cm (14 x 17 in)	10 pixels / mm (option)	3480 x 4240
35 x 35 cm (14 x 14 in)	10 pixels / mm (option)	3480 x 3480
35 x 43 cm (automatic collimation to 21 x 43 cm)	10 pixels / mm	2020 x 4240
24 x 30 cm	10 pixels / mm	2320 x 2920
18 x 24 cm	10 pixels / mm	1720 x 2320
15 x 30 cm	10 pixels / mm	1420 x 2920
8 x 10 in	10 pixels / mm	1950 x 2460
10 x 12 in	10 pixels / mm	2460 x 2970
<b>Mammography and extremities</b>		
24 x 30 cm	20 pixels / mm	4760 x 5840
18 x 24 cm	20 pixels / mm	3560 x 4640



## > SAFETY

REGION	REGULATION	X-RAY	LASER
<b>Europe</b>	EN 60601-1: 1990 + A1: 1993 + A2: 1995 EN 60601-1-2: 2001	Regulation: 1987	EN 60825 - 1:2001
<b>USA</b>	UL 2601 21CFR part 820: good manufacturing practice for medical devices	DHHS/FDA 21 CFR part 1002, subchapter B	DHHS/FDA 21 CFR parts 1040, 10 and 1040, 11
<b>Canada</b>	CSA22.2 No.601.1 No.601.1.2		

## > TECHNICAL SPECIFICATIONS

### General

#### Digitizer type

- Single cassette feed
- Throughput: up to 73 plates/h (depending on size and application)

#### LCD display

Machine status and error conditions

#### Greyscale resolution

- Data acquisition: 12 bits/pixel
- Output to processor: 12 bits/pixel

#### Dimensions and weight

- (W x D x H): 45 x 75 x 141 cm (17.7 x 29.5 x 55.5 in)
- Depth at cassette slot: 73 cm (28.7 in)
- Weight: Approx.: 210 kg

#### Power

- 230 - 240 V/50-60 Hz  
Standby 230W, max 1610W, 16A fuse
- 120V/60Hz (USA)  
Standby 216W, max 1440W, 15A fuse
- 100V/60Hz (Japan)  
Standby 220W, max 1500W, 15A fuse

#### Environmental conditions

- Temperature: 15 - 30 °C (59 - 86 °F)
- Humidity: 15 - 75% RH
- Magnetic fields: max. 12.60 µT in conformance with EN 61000-4-8: level 3
- Rate of change of temperature: 0.5 °C/minute (0.9 °F)

#### Environmental effects

- Noise level: max. 65 dB (A)
- Heat dissipation: standby 350 W, max. 2000 W

### Safety

#### Approvals

TüV, UL, cUL, CE

#### Transport details

- Temperature: -25 to +55 °C (-4 to 131 °F), -25 °C for max. 72 hours, +55 °C for max. 96 hours
- Humidity: 5 - 95% RH

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