*ADC Compact Digitizer*

## HIGH-THROUGHPUT, MULTI-USER DIGITIZER WITH "DROP-AND-GO" BUFFER

### Automated CR Reading

Agfa's ADC Compact™ digitizer maximizes staff productivity by requiring no manual interaction. The user simply deposits the cassettes in the input buffer and system automatically operates at maximum speed. Waiting time at the digitizer is eliminated.

The system takes cassettes from the input buffer, reads the demographic data, scans the imaging plate, digitizes the image, and returns the cassette to the output buffer, all automatically. The buffer systems takes up to ten cassettes at a time, so a user can immediately deposit cassettes and return to the patient.

### Compact and Productive

The ADC Compact has a small footprint and provides convenient access for multiple simultaneous users. Several technologists can access the input and output buffers at the same time. This provides smooth, efficient workflow for imaging department staff. The system's ergonomic design helps promote safety in a busy working environment.

### Full Data

The ADC Compact reads the imaging plate with 12 bits/pixel grayscale resolution. The complete raw data set is transmitted to the image processing computer. Spatial resolution ranges from 6 to 9 pixel/mm, depending on the imaging plate size. Standard resolution provides readout with approximately 2 x 2.5K pixel matrices. High resolution reading is available with readout at 9 pixels/mm for all plate sizes (optional for 14" x 14" and 14" x 17"). With this option, a 14" x 17" plate is read out with a pixel matrix corresponding to a spatial resolution of 9 pixels/mm.

# ADC COMPACT™ DIGITIZER

## Highly productive and user-friendly CR digitizer

**Completely automated computed radiography (CR) plate reading**

**"Drop-and-go" buffer**

**Compact footprint and ergonomic design**

**Building block for digital X-ray department**

**AGFA** *Agfa*

## Economical Way To Go Digital

ADC Compact cassettes are compatible with conventional X-ray tables, so conventional X-ray departments can use digital technology without extra investment in digital X-ray units. This, combined with its high productivity, makes the ADC Compact a cost-effective building block for the digital X-ray department.

**Dimensions:**
(w x d x h)
33" x 45" x 55"
84 x 115 x 140 cm

**Weight:**
Approx. 704 lbs. (320 kg)

**Performance:**
Throughput:
70 plates/hour 8" x 10"
(18 x 24 cm)
65 plates/hour 14" x 17"
(35 x 43 cm)
40 plates/hour 14" x 17" HR
(35 x 43 cm HR)

**Power:**
230 – 240 V/400 – 415V 3 N~,
50 Hz
Fuse min. 3 x 14 A,
max. 3 x 20 A slow blow
power consumption max.
12 A/Ph
200 V/ 208 V
3 Ph~, 60 Hz
Fuse 3 x 20 A slow blow
Power consumption max.
17 A/Ph

**Cassette Buffer Capacity:**
10 cassettes of mixed sizes, in both input and output buffers

**Accepted Cassette Sizes:**
14" x 17" (35 x 43 cm)
14" x 14" 9 (35 x 35 cm)
10" x 12" (24 x 30 cm)
6" x 12" (15 x 30 cm)
8" x 10" (18 x 24 cm)

**Grayscale Resolution:**
Data acquisition: 12 bits/pixel
Output to processor:
12 bits/pixel

**Spatial Resolution:**
Reading sample frequency:
14" x 17" (35 x 43 cm):
6 pixels/mm
14" x 14" (35 x 35 cm):
6 pixels/mm
14" x 17" HR (35 x 43 cm HR):
9 pixels/mm (optional)
14" x 14" HR (35 x 35 cm HR):
9 pixels/mm (optional)
10" x 12" (24 x 30 cm):
9 pixels/mm
8" x 10" (18 x 24 cm):
9 pixels/mm
6" x 12" (15 x 30 cm):
9 pixels/mm

**Pixel Matrix Size:**
14" x 17" (35 x 43 cm):
2048 x 2494
14" x 17" HR (35 x 43 cm HR):
3062 x 3730
14" x 14" (35 x 35 cm):
2048 x 2048
14" x 14" HR (35 x 35 cm HR):
3062 x 3062
8" x 17" (21 x 43 cm)
(partial scan of 14" x 17"
(35 x 43 cm) cassette):
1778 x 3732
10" x 12": (24 x 30 cm):
2040 x 2570
8" x 10": (18 x 24 cm):
1514 x 2044
6" x 12": (15 x 30 cm):
1248 x 2570

**LCD Display:**
Machine status and error conditions

**Environmental Conditions:**
Temperature: 60°F - 85°F
(15˚C - 30˚C)
Humidity: 15% – 75% RH
Magnetic fields: max. 1260 μT

**Environmental Effects:**
Noise level: max. 65 dB (A)
Heat dissipation: standby
900 W, max. 2500 W

**Safety Standards:**
EN 60825-1: 1994
IEC 950/EN60950/
VDE0805/11:91
EG regulation compliance
93/42/EEC (medical device)

**Approvals:**
TüV, GS, UL, CUL

## Medical Imaging

### 1-877-777-AGFA (2432)

www.agfamedical.com

www.agfa.com

## ADC COMPACT DIGITIZER BENEFITS

- *Automates digitization of CR cassettes*
- *Eliminates waiting time at the digitizer*
- *Streamlines work flow*
- *Provides a cost-effective building block for a fully digital X-ray department*