

  
medical **ECONET**  
GERMANY

## Medical X-ray Imaging

# HYBRID PORTABLE X-RAY

meX+20BT lite / meX+20BT / meX+40BT

The world's only hybrid powered portable X-ray

- **HYBRID** – Device can be operated by internal battery or by external power supply
- Great advantage for outdoor radiography
- Innovative approach by high performance lithium polymer battery
- Up to 650 exposures by just one charging
- Clean diagnostic images by high frequency technology
- Exclusive remote controller using by hand switch
- Full charge only within 4 hours



Model	meX+20BT lite	meX+20BT	meX+40BT
<b>Output</b>			
Tube Vol./Current	90 kV / 20 mA	100 kV / 20 mA	100 kV / 35 mA
Voltage range	50 - 90 kV in 1 kV steps	40 - 100 kV in 1 kV steps	40 - 100 kV in 1 kV steps
mAs Range	0,4 mAs - 20 mAs 25 steps	0,4 mAs - 50 mAs 32 steps	0,4 mAs - 100 mAs 35 steps
Max. output	1,6 kW at 80 kV	1,6 kW at 80 kV	2,4 kW at 80 kV
<b>X-ray Tube</b>			
Application	OX / 70 CEI	Toshiba D - 124	Toshiba D - 124
Focal Spot	1,2 mm	1,2 mm	1,2 mm
<b>Collimator</b>			
Max. Light field: 35 cm x 35 cm @ 65 cm SID			
Lamp	LED	LED	LED
Laser Pointer	dual laser	dual laser	dual laser
<b>Features</b>			
7 - segment LED read out reversible, Hand switch remote control function			
Exposures full charge	max. 560 at 80 kV / 2 mAs	max. 560 at 80 kV / 2 mAs	max. 650 at 60 kV / 3,2 mAs
PROM Memory	15 APR	15 APR	21 APR
Weight	7,2 kg	11,2 kg	14,2 kg
Dimensions	203 x 174 x 307 mm	225 x 170 x 340 mm	250 x 214 x 349 mm

## PXMS-1800 Mobile Stand



- Height-adjustable arm (max. height of 180 cm)
- Easy to dis/assemble for transportation by car

**meX+20**

**Light weight portable X-ray with high power**

- Light weight, compact size and durable cover
- High frequency technology enables clean diagnostic images
- Equipped with remote control functions by hand switch
- Stable X-ray output with lowest ripple
- User-friendly handle bar for outdoor usage
- LED display for set up of kV and mAs
- Constant X-ray output without influence of line power fluctuation
- Strong body against external shock and contamination



**meX+40 / meX+60**

**High performance compact portable X-ray**

- Universal units with high power for various radiography applications
- Light weight and compact size
- LED display for set up of kV and mAs
- 8 pre-set technique slots (PROM memory)
- Exclusive remote control functions by hand switch



**DAP meter (optional)**



- DAP (**D**ose **A**rea **P**roduct) meter mountable to all meX+ portable X-ray generators and POX-100BT
- Equipped with an integrated display and control keys
- Easy slide-mounting, no installation effort

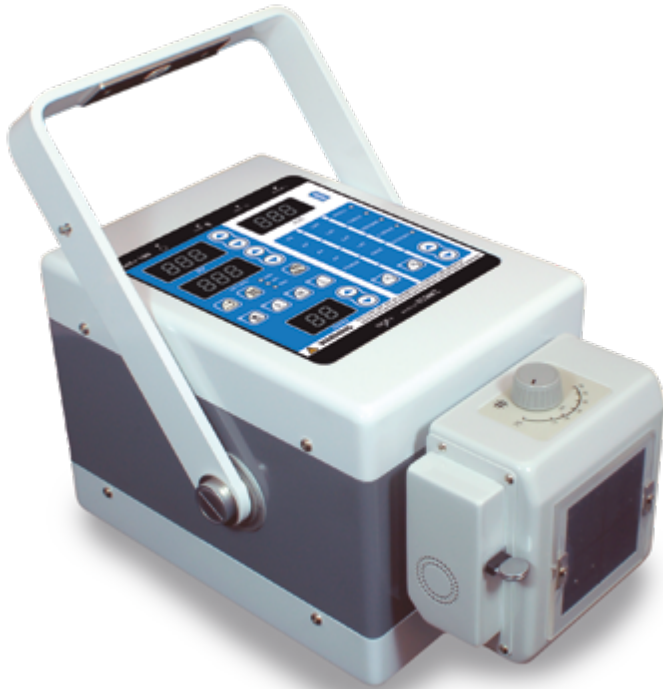
Model	meX+20	meX+40	meX+60
<b>Output</b>			
Tube Vol./Current	100 kV / 20 mA	100 kV / 35 mA	100 kV / 60 mA
Voltage range	40 - 100 kV in 1 kV steps	40 - 100 kV in 1 kV steps	40 - 100 kV in 1 kV steps
mAs Range	0,3 - 50 mAs 22 steps	0,4 mAs - 100 mAs 25 steps	0,4 mAs - 100 mAs 25 steps
Max. output	1,6 kW at 80 kV	2,4 kW at 80 kV	3,2 kW at 80 kV
<b>X-ray Tube</b>			
Application	Toshiba D - 124	Toshiba D - 124	Toshiba D - 205B
Focal Spot	1,2 mm	1,2 mm	2,0 mm
<b>Collimator</b>			
Min. Light field: 5 cm x 5 cm @ 1 m SID		Max. Light field: 35 cm x 35 cm @ 65 cm SID	
Lamp	LED	LED	LED
Laser Pointer	dual laser	dual laser	dual laser
<b>Features</b>			
7 - segment LED read out reversible, Hand switch remote control function			
PROM Memory	4 APR	8 APR	8 APR
Weight	9,8 kg	12,8 kg	14,6 kg
Dimensions	220 x 200 x 352 mm	250 x 195 x 355 mm	250 x 195 x 355 mm



# PORTABLE X-RAY

meX+100

Most powerful compact portable X-ray



- High power output: 5kW, 110 kV / 100 mA
- Equipped with interface for generator control
- High-performance capacitor for stable and reliable power supply
- Anatomic program for different body areas and sizes
- LED display for set up of kV and mAs
- 750 pre-set technique slots (PROM memory)



## PXMS-2010 MOBILE STAND

Model	meX+100
<b>Output / Input</b>	
Tube Vol./Current	110 kV/100 mA
Voltage range	40-110 kV in 1 kV steps
mAs Range	0,1 - 100 mAs 40 steps
Max. output	5 kW at 75 kV
Power Input	100/240 V, 2 kVA
<b>X-ray Tube</b>	
Application	CEI 110 - 15
Focal Spot	1,5 mm
<b>Collimator</b>	
Min. Light field: 5 cm x 5 cm @ 1 m SID Max. Light field: 35 cm x 35 cm @ 65 cm SID	
Lamp	LED
Laser Pointer	dual laser
<b>Features</b>	
7 - segment LED read out reversible, Hand switch remote control function	
PROM Memory	750 APR
Weight	19,6 kg
Dimensions	254 x 225 x 423 mm



- Mobile stand for meX+100
- Easy handling by gas spring technology
- Folding and easy to transport
- Max. height of 210 cm



mex+CR

Compact and flexible CR solution



- Crystal-clear image quality
- Fast scan procedure– up to 50 plates per hour
- Ultra-light, compact and wall-mountable
- New strong, robust cassettes
- No bending of imaging plate
- Accommodates three standard CR cassette sizes
- Automatic cassette & plate handling
- One step, integrated scanning & erasing
- Rugged, torsion stabilized optics
- Fanless system prevents dust contamination
- Quiet, stable & low-maintenance

**Cassette sizes:**

- 35 cm x 43 cm
- 24 cm x 30 cm
- 18 cm x 24 cm



Space saving solution due to wall mounting option



meX+CR	Specifications
Selectable Pixel Size	High: 100µm – Standard: 200µm
Throughput	Up to 50 plates hour
Resolution	16-bits per pixel, 65.535 grey tones
Dimensions (H x W x D)	137mm x 456mm x 803mm
Weight	19,5 kg
Including	Wall mounting, 2 cassettes



## mex+ 1012WCA

### Wireless and portable DR flat panel

- **WIFI** – Complete Wireless solution with high performance Li-Ion battery
- **AED** – No interface work needed, usage possible with any X-ray system due to Automatic Exposure Detection
- **AP (ACCESS POINT) MODE** – Direct wireless communication between detector and workstation
- Excellent image quality due to Amorphous Silicon with Csl-Scintillator (Resolution 5 Megapixel)
- Only 3,6kg for convenient and flexible use
- Great advantages for outdoor radiography and mobile applications
- Exchangeable positions of handle bar
- Up to 3 hours run time with one battery



1012 WCA	Specifications
Data Interface	wireless
Sensor Type	Amorphous Silicon with TFT
Dimensions	395x337x18 mm (not incl. handle)
Active Pixel Area	259mmx320mm
Weight	3,6 kg (incl. battery & incl. handle)
Pixel Number	2080x2560 pixels
Pixel Pitch	127 µm
Resolution	3,9 lp/mm
Energy Range	40 - 150 kV
A/D Conversion	14 bits
Image Acquisition Time	7 sec.
Battery type	Lithium ion battery (3500 mAh)
Running Time	up to 3 hours with one battery
Scintillator	Cesium-Iodide (Csl)
Including	2 Batteries & DR Carrying Bag

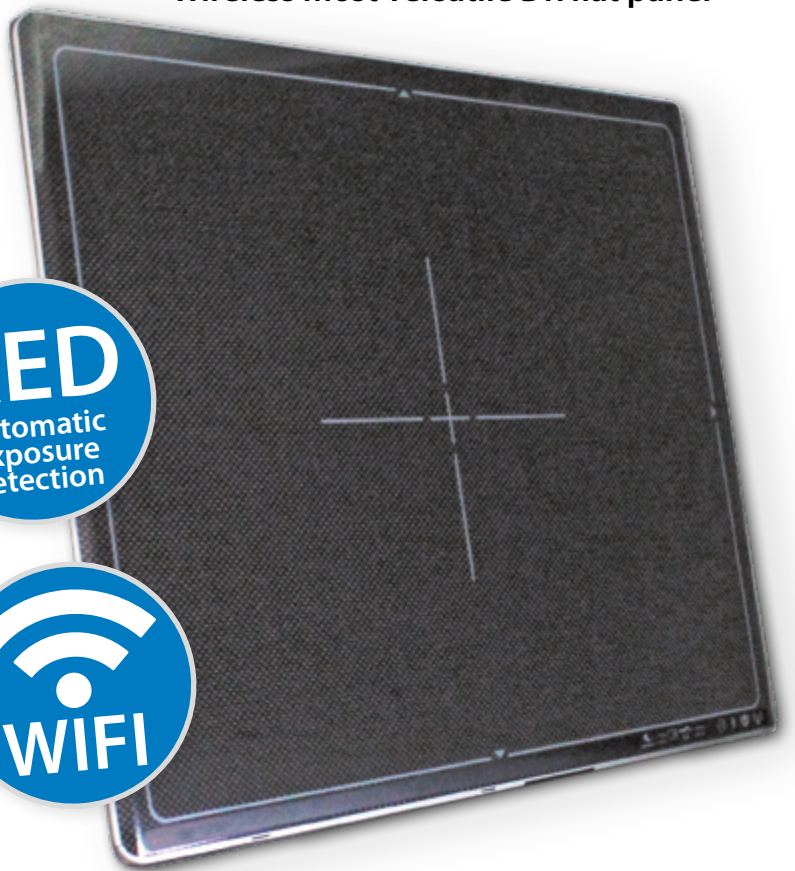
Highest mobility due to light-weight carrying bag...



mex+ 1417 WGC

mex+ 1417 WCC

Wireless most versatile DR flat panel



- **Universal** – Suitable for mobile and stationary use
- **Superior Image Quality** – Due to 127µm and 3,9 line pairs / mm
- **Water-Resistant** – Protection against water impact (IPX6)
- **AP (Access Point) Mode** – Direct Wi-Fi communication between detector and workstation
- **OLED Display** – Indication of panel, connection and battery status
- **Cassette Size** – Ultra thin 36cm x 43cm Retrofit Solution
- **Durability** – 300kg load capacity



... for save and pleasing transportation.

1417 WGC / WCC	Specifications
Data Interface	wireless
Sensor Type	Amorphous Silicon with TFT
Dimensions	384 x 460 x 15 mm
Active Area	358 x 423 mm
Weight	3 kg
Pixel number	2756 x 3268 pixels
Pixel pitch	127 µm
Resolution	3,9lp / mm
A/D Conversion	14/16 bit
Energy Range	40 - 150 kV
Image Acquisition Time	5,0 sec. (Preview 2 sec.)
Battery type	Lithium ion battery (3500 mAh)
Running time	up to 4 hours with one battery
Scintillator	Gadolinium Oxysulfide (Gadox) or Cesium-Iodide (CsI)
Including	2 Batteries & DR Carrying Bag



mex+ 1417 PGA

mex+ 1417 PCA

Universal digital image processing unit



- **UNIVERSAL** – Suitable for mobile and stationary use
- **CASSETTE SIZE** – Ultra thin (15,9 mm) DR flat panel with same size as film cassette or CR Image Plate
- **AED** – No interface work needed, usage possible with any X-ray system due to Automatic Exposure Detection
- Available with Gadox and CsI scintillator
- Superb-crystal image resolution and fast acquisition time within 7 Seconds
- Large imaging area (36 cm x 43 cm) for all general radiographic exams
- Removable handle for flexible use

1417 PGA / PCA	Specifications
Data Interface	<b>wired</b>
Sensor Type	Amorphous Silicon With TFT
Dimensions	460 x 417 x 15,9 mm
Active Pixel Array	358 x 423 mm
Weight	3,6 kg (with handle bar)
Pixel Pitch	127 µm
A/D Conversion	14 bit
Pixel Number	3268 x 2756 pixels
Resolution lp/mm	3,9 lp/mm
Scintillator	Gadolinium Oxysulfide (Gadox) or Cesium-Iodide (CsI)
Including	DR carrying bag



mex+ 1717 SGC

mex+ 1717 SCC

Digital retrofit panel for stationary X-Ray



As table solution due to cassette size



- **IMAGE AREA** – Largest imaging of 43 x 43 cm allows examine of several body parts in one shot
- **RETROFIT** – Easy upgrade to DR without any change in conventional X-ray systems
- **AED** – No interface work needed, usage possible with any X-ray system due to Automatic Exposure Detection
- Ultra-flat (15,5mm) DR detector with same size as film cassette or CR Image Plate
- Available with Gadox or CsI scintillator
- Highest image resolution by decreased radiation dose
- Low weight and quick image acquisition time

1717 SGC / SCC	Specifications
Data Interface	wired
Sensor Type	Amorphous Silicon With TFT
Dimension	460x460x15,5mm
Active Pixel Area	423 mm x 423 mm
Weight	4,4kg
Pixel Pitch	127 µm
Resolution	3,9lp/mm
A / D Conversion	14 bit
Pixel Number	3328x3328 pixels
Energy Range	40 - 150 kV
Scintillator	Gadolinium Oxysulfide (Gadox) or Cesium-Iodide (CsI)

mEX+ Image Acquisition Software

High innovative and user-friendly way of image acquisition and processing



- Simple and perfect images at all time
- Integrated automatic image optimization
- Touchscreen function for easy operating
- Fully integrated radiographic positioning guide
- Bones and soft tissue in one image
- Including Patient CD and DICOM Send function
- Adaption of almost every language possible
- Modern graphical user interface
- Safe and fast registration of emergency patients
- Entry of recurring examination procedures as macros

**Available languages:**

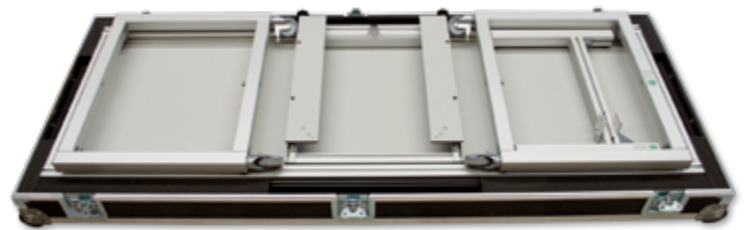
German, English, French, Spanish, Italian, Latvian, Lithuanian, Estonian, Bosnian, Japanese, Portuguese, Czech, Polish, Hungarian, Russian, Chinese



**Mobile X-ray Table**



- Collapsible X-ray table for maximum mobility
- Smooth movement with dirigible wheels
- Integrated bucky and grid holder moveable
- Table frame: anodised aluminium
- Table top: radiolucent white synthetic
- Easy to clean and disinfectant proof
- For all cassette sized detectors
- Optional: Transport case



Mobile X-ray Table	Specifications
Dimensions table, l x w x h	200 cm x 70 cm x 72,8 cm
Dimensions transport case l x w x h	220 cm x 86,5 cm x 26,5 cm
Weight table	49 kg
Weight only transport case	52 kg
Possible detector sizes	14 x 17"; 17 x 17"

**M-D-S 200 - Movable Detector Stand**

- Stable bucky stand for thorax and all standing X-ray images
- Adjustable height of detector – from 18,5cm to 200cm
- For all cassette sized detectors, analogue and CR cassettes
- Easy to clean and disinfectant proof
- Leight-weight and portable
- Foldable base

M-D-S- 200	Specifications
Dimensions, l x w x h	55 cm x 45 cm x 202 cm (110 cm M-D-S 200+)
Weight	12,5 kg
Possible detector sizes	10 x 12", 14 x 17", 17 x 17" - cassette sized



**M-D-S 200 +**

Optional collapsible version for easy transportation and space-saving storage

# Fields of Application



Watch our product movies on 



„Image Video“ (engl. Ver.)  
Duration: 2:53



„Emergency Care“ (engl. Ver.)  
Duration: 3:41

- Medical specialists (e.g. orthopedist, surgeons, pulmonologists)
- Stationary and mobile hospitals
- Emergency medicine (e.g. ambulance)
- Mobile home care services
- Field hospital in conflict areas (e.g. aid agencies)
- Maritime industry (e.g. cruise liners, oil rigs, research ships, larger yachts)
- Military



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\*All specifications are subject to change without notice.

ME-ENG-H-DC-DR-01-21