

# meX+20BT lite

# meX+20BT

# meX+40BT



medical **ECONET**  
GERMANY



## Battery-powered Compact Portable X-ray

meX+20BT lite, meX+20BT, and meX+40BT are the battery-powered portable generators. All meX+ family X-ray units are equipped with ripple free, high frequency generators that produce up to 40~50% stronger power output efficiency when compared to conventional x-ray systems.

Utilizing a powerful Lithium-polymer battery, the meX+ portable X-ray devices deliver the power up to 4800 mAh without recharging the battery. The Lithium-polymer battery is rechargeable and has a long lifecycle without losing power efficiency. Recharging time is approximately 3-4 hours.

Those battery-powered units are designed for use by portable imaging providers, military applications, disaster relief, forensics, athletic events or anywhere an X-ray machine must be brought to a patient.

### Features and Benefits

- HYBRID - Devices can be operated by internal battery or by external power supply
- Light weight and compact size
- Great advantage for outdoor radiography
- Innovative approach by high performance lithium-polymer battery
- Up to 650 exposures by just one charging
- Clear durable light technology due to LED collimator
- Strong body against external shock and contamination
- Remote controller using by hand switch
- Up to 21 pre-set technique slots (PROM memory)
- Fully charge only within 4 hours
- Light field size (max) 35 cm x 35 cm at 65 cm SID
- Various mounting solutions at mobile stand and wall mount (option)
- User-friendly handle bar for outdoor usage
- Aluminum carrying case, hand switch, and power cable included as standard accessory

# mex+20BT lite

## mex+20BT

## mex+40BT

### The basic features for high quality diagnostic images

- User-friendly handling that supports the daily work flow in clinics and practices
- All devices with LED collimator lamp
- Dual laser pointer for distance definition
- Digital LCD display with touch key panel controls
- Up to 21 pre-set technique data storage (PROM memory)
- Aluminum case for easy transportation without damage to the device

### The Main Functions & Applications

X-rays belong to the core diagnostic tools in modern medicine. High-frequency technology offers high quality X-ray images using only a standard power connection. Its compact size and user-friendly operation enable various fields of application in medical practices, hospitals and emergency medicine.



#### Lithium-Polymer Battery

Once the device is charged, it can take up to 650 pictures and it takes up to four hours to recharge.



#### Various Mounting Solutions

It can be used with a wall mount, mobile stand and mobile table for a variety of environments and applications



#### Dose Meter

The device is intended for determination of patient doses received during diagnostic radiology procedures.



- Medical specialists (e.g. orthopedist, surgeons, pulmonologists)
- Emergency medicine (e.g. ambulance)



- Stationary and mobile hospitals
- Field hospital in conflict areas (e.g. aid agencies)
- Military



- Veterinary in clinics and practices (e.g. small animals and horses)

## Specifications

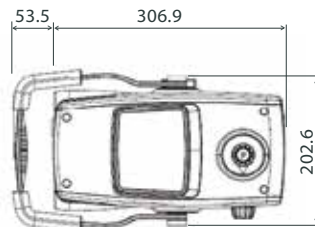
mex+20BT lite    mex+20BT

mex+40BT

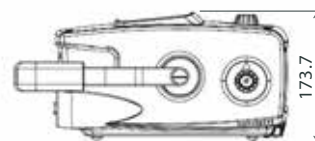
### Physical Dimensions

Size:	203 (W) x 174 (H) x 307 (L) mm	225 (W) x 170 (H) x 340 (L) mm	250 (W) x 214 (H) x 349 (L) mm
Weight:	Approx. 7.2 kg	Approx. 11.2 kg	Approx. 14.2 kg
<b>Output</b>			
Tube vol.:	90 kV	100 kV	100 kV
Tube current:	20 mA	20 mA	35 mA
Voltage range:	50 kV to 90 kV, 1 step	40 kV to 100 kV, 1 step	40 kV to 100 kV, 1 step
mAs range:	0.4 mAs to 20 mAs, 25 steps	0.4 mAs to 50 mAs, 32 steps	0.4 mAs to 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	Canon D - 124	Canon D - 124
Focal spot:	1.2 mm	1.2 mm	1.2 mm
HU capacity:	10 kHU	20 kHU	20 kHU
<b>Collimator</b>			
Min. light field:	5 cm x 5 cm at 1 m SID	5 cm x 5 cm at 1 m SID	5 cm x 5 cm at 1 m SID
Max. light field:	35 cm x 35 cm at 65 cm SID	35 cm x 35 cm at 65 cm SID	35 cm x 35 cm at 65 cm SID
Lamp:	LED	LED	LED
Laser pointer:	Dual laser	Dual laser	Dual laser
<b>Battery</b>			
Type:	Li-polymer	Li-polymer	Li-polymer
Capacity (mAh)	4800	4800	4800
Exposures full charge:	max. 650 at 60 kV / 3.2 mAs	max. 560 at 80 kV / 2 mAs	max. 560 at 80 kV / 2 mAs
Charging time:	4hours	4hours	4hours
<b>Power</b>			
Input:	110 / 220 VAC	110 / 220 VAC (Free voltage)	110 / 220 VAC (Free voltage)
Frequency / phase:	50 / 60 Hz, single phase	50 / 60 Hz, single phase	50 / 60 Hz, single phase
Voltage compensation:	± 10 %	± 10 %	± 10 %
<b>Indicators</b>			
Control panel:	7 - segment LED read - out reversible, Hand switch remote control function, Programmable pre - set technique, Data storage & store button		
Digital LCD display:	mAs, kV	mAs, kV	mAs, kV
LED indicator:	ready & exp. wait	ready & exp. wait	ready & exp. wait
<b>Data Storage</b>			
PROM memory:	15 APR	15 APR	21 APR

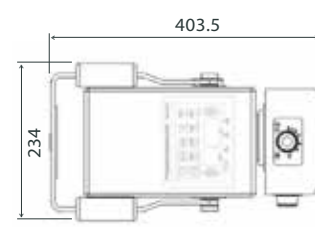
**Top**



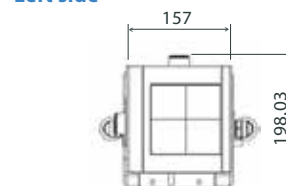
**Front**



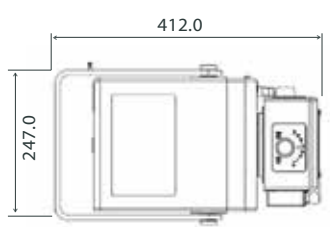
**Top**



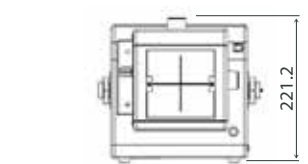
**Left side**



**Top**



**Left side**



## Accessory Information



### Aluminium Carrying Case

Standard accessory



### Wall Mount

Max. length 535 mm

Optional accessory



### Hand Switch

Standard accessory



### Foot Switch

Optional accessory



### Collimator Rotation

Up to 45°

Optional accessory



### DAP Meter

Battery-powered

Optional accessory



### PXMS-1800

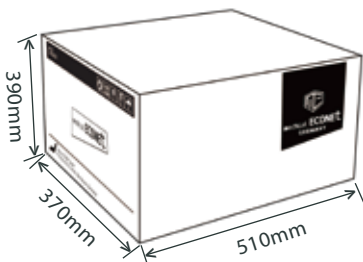
Optional accessory



### Mobile X-ray Table

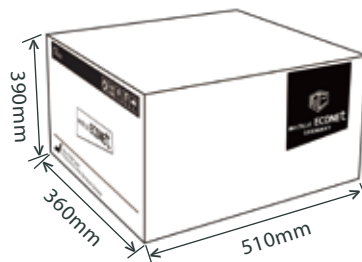
Optional accessory

### meX+20BT lite Packaging



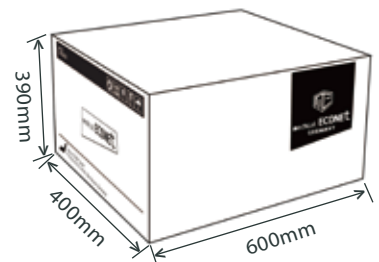
Approx. 15kg

### meX+20BT Packaging



Approx. 19kg

### meX+40BT Packaging



Approx. 23kg



„mobile X-ray for Veterinary“

Duration 2:41

ver. 001

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medical ECONET GmbH  
Im Erlengrund 20 46149 Oberhausen Germany  
www.medical-econet.com

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