

**PXM-BT Family**



**BATTERY POWERED  
PORTABLE GENERATOR**

**PXM-20BT, PXM-40BT  
CORDLESS TYPE OF PORTABLE**



**UNITED RADIOLOGY SYSTEMS**



# BATTERY POWERED PORTABLE GENERATOR

PXM-20BT, PXM-40BT CORDLESS TYPE OF PORTABLE



**PXM-20 BT and PXM-40BT** are the most compact and lightweight battery-powered, cordless, **portable X-ray** units in the medical market today. Utilizing revolutionary micro technology and a powerful **Lithium-Ion Battery**, the **PXM-BT Family of portables** deliver an exposure capacity of up to 3000 mAs without the need for recharging the battery. No external power source is required to produce the precise radiographic images.

**PXM-BT** battery generators are designed with state-of-the-Art Microprocessor Controls and PROM memory for preset APR programming, battery-status readouts and mAs energy-level displays including the collimator lamp program. The **Radio Frequency (RF) transmitter & receiver** connects the DR-image PC and the PXM-BT unit without the need for interconnecting cables. Therefore, the PXM-BT portable is totally free from power cords and DR interface cables.

The **Lithium-Ion battery** is rechargeable and has a very long lifecycle (of over 5 years) without losing power efficiency. This battery is completely free from routine maintenance. Recharging time is approximately 2-3 hours, which is much shorter than conventional batteries. A battery charger (50 or 60 watt) is a standard accessory, but cigarette-lighter chargers for vehicles and solar-energy chargers are offered as an optional items.





## FEATURES

- ▶ Rechargeable battery : Lithium-Ion
- ▶ High energy battery : 3000 mAs
- ▶ Higher output : 20-60 mA / 100 kV
- ▶ Number of Exp. per full charge : 300 -500
- ▶ Highly efficient, long-life battery : over 5 yrs
- ▶ Free from battery maintenance
- ▶ Free from power cords & other interface cables.
- ▶ RF wireless control for DR exposure (optional)
- ▶ Rapid exp. program for DR users
- ▶ 21 selections of APR programs
- ▶ Auto. collimator lamp & dual laser programs
- ▶ Battery charger with overcharge-protection
- ▶ Battery energy level indicator & % display
- ▶ mAs energy status display
- ▶ Compact, slim design and lightweight
- ▶ Charger power : 110 / 220 VAC auto switching

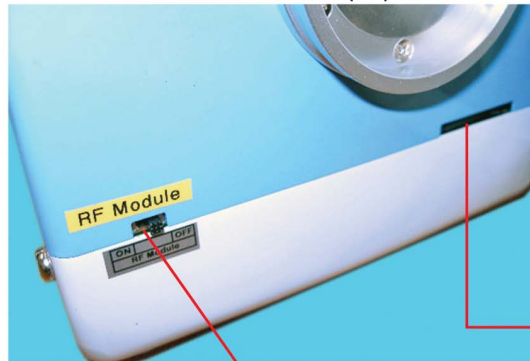


▲ FREE FROM INTERCONNECTING CABLES:  
NOT NEEDED FOR POWER CABLES OR DR SYNC CABLES



- ▶ LITHIUM-ION BATTERY
- ▶ BATTERY CHARGER
- ▶ EXPOSURE HAND SWITCH

WIRELESS DIGITAL RADIOGRAPHY(DR) INTERFACE :



- ▶ RF TRANSMITTER FOR DR EXPOSURE SYNC.
- ▶ RF SIGNAL TRANSMITTER ON/OFF SWITCH FOR WIRELESS DR EXPOSURE SYNC.



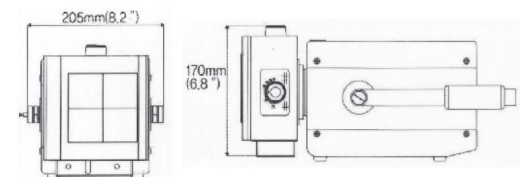
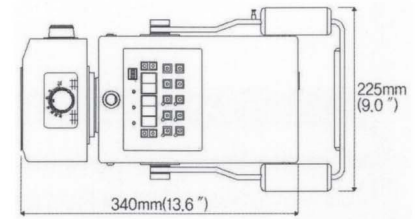
# PXM-BT FAMILY

## ELECTRICAL SPECIFICATION AND COMPARISON CHART

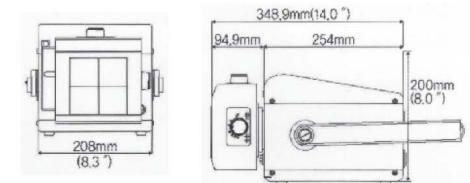
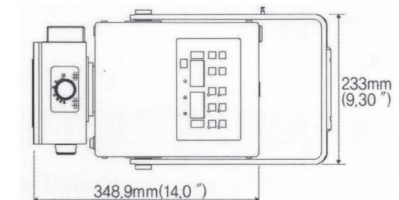
DESCRIPTION	PXM-20BT	PXM-40BT
<b>Generator Type</b>	Battery Powered HF generator Micro-processor Controller	Battery Powered HF generator Micro-processor Controller
<b>Inverter Output ( KW)</b>	1.6 KW, 20mA @ 80 kV	2.4 KW, 30mA @ 80 kV
<b>KV Range</b>	40-100 KV, 1 KV increment	40-100 KV, 1 KV increment
<b>mA Range</b>	12 to 20 mA, Variable	16 to 35 mA, Variable
<b>mAs Range</b>	0.4-50 mAs, 32 selections	0.4 -100 mAs, 35 selections.
<b>Console &amp; Display</b>	KV & mAs LED Display Ready & Exp. LED indicator Collimator & Laser SW Preset technique SW Reversible LED readout SW	KV & mAs LED Display Ready & Exp. LED indicator Collimator & Laser SW Preset technique SW Reversible LED readout SW
<b>Controller Software</b>	PROM memory :15 APR selector Remote Control program Programmable Laser beam & Collimator lamp Battery Charger LCD Indicator Stand-By mode & Dimmer	PROM memory :21 APR selector Remote Control program Programmable Laser beam & Collimator lamp Battery Charger LCD Indicator Stand-By mode & Dimmer
<b>X-Ray Tube</b>	Fixed Anode type Focal Size : 1.2 mm Anode Heat Capacity: 20 KHU	Fixed Anode type Focal Size : 1.2 mm Anode Heat Capacity: 20 KHU
<b>Battery Features</b>	Rechargeable Lithium-Ion Type Capacity : 1,600 mAs Charger : 55 Watt / 110 VAC Charging time: 3.5 hrs Power requirement: 29.4 V / 1.5 A	Rechargeable Lithium-Ion Type Capacity : 3,200 mAs Charger : 110 Watt / 110 VAC Charging time: 3.5 hrs Power requirement: 58.8 V / 1.5 A
<b>Dual Laser</b>	Programmable controller 26" Auto focal point by Dual Laser	Programmable controller 26" Auto focal point by Dual Laser
<b>Laser Collimator</b>	Manual : collimator 4 blades Programmable 10 sec. timer	Manual : collimator 4 blades Programmable 10 sec. timer
<b>Auto Compensation</b>	Battery voltage comp. $\pm 10\%$	Battery voltage comp. $\pm 10\%$
<b>Charger Power Requirement</b>	Auto Switch, 110/220 AC , 50/ 60 Hz	Auto Switch, 110/220 AC , 50/ 60 Hz
<b>Net Weight</b>	9.8 Kg ( 21.6 lbs)	14.0Kg (30.9 lbs)
<b>Size</b>	34x22x17 cm ( 13.6 x 9.0 x 6.8 inches)	25x23x20 cm (14 x 9.3 x8.0 inches)

All specifications are subject to change without notice

## DIMENSIONS : (Unit mm)



PXM-20BT



PXM-40BT

## BATTERY CAPACITY & X-RAY EXPOSURE DATA

mAs Technique Setting		1.0 mAs	2.0 mAs	3.0 mAs	5.0 mAs	10.0 mAs
No. of Exp	Collimator On Laser Beam On	379	306	257	195	121
No. of Exp	Collimator Off Laser Beam On	497	554	411	272	147

PXM-20 BT : Battery fully charged

mAs Technique Setting		1.0 mAs	2.0 mAs	3.0 mAs	5.0 mAs	10.0 mAs
No. of Exp	Collimator On Laser Beam On	504	456	416	355	259
No. of Exp	Collimator Off Laser Beam On	1564	1247	990	701	405

PXM-40 BT : Battery fully charged

Distributor



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