



MEDICATECH USA®

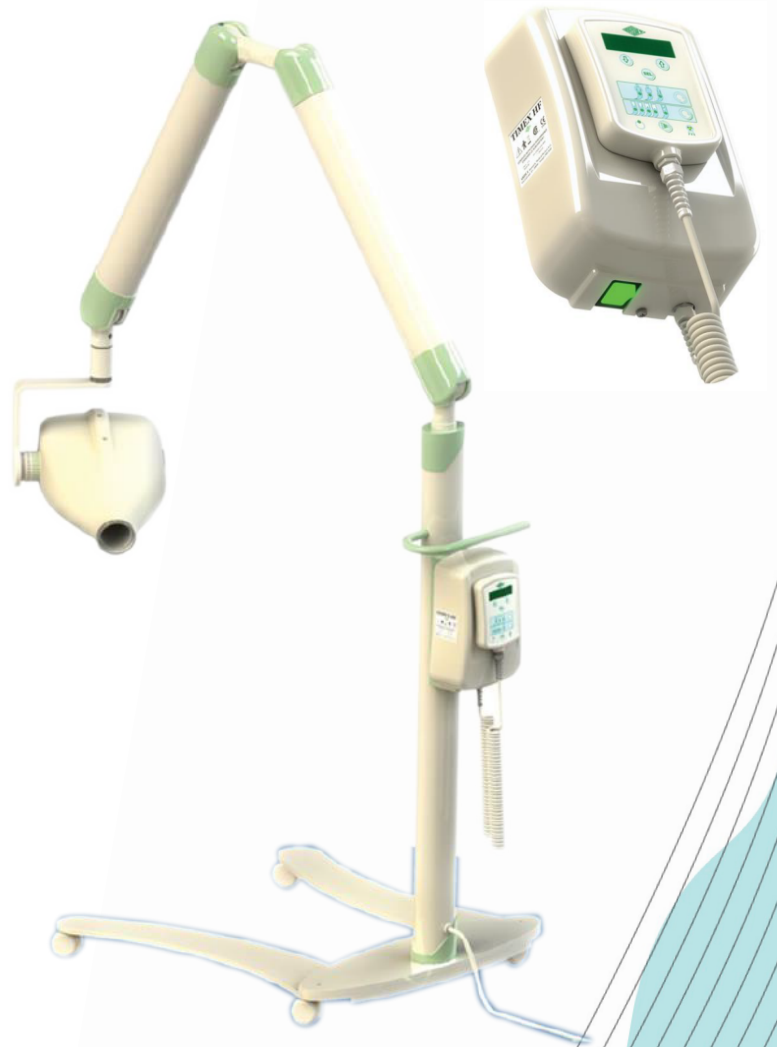
Dental Generators

Mobile Dental Generator



Bring precision diagnostics to the patient—anytime, anywhere.

Our Mobile Dental Generator combines power, portability, and performance for on-the-go dental care.





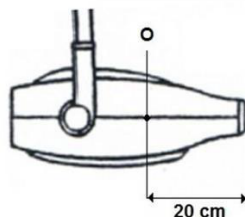
System Technical Specifications :

Nominal voltage	110~240 V $\pm$ 10%
Line frequency	50/60 Hz
Absorbed current	2,1 A @ 240V~ 5,2 A @ 110V~
Absorbed power	500 VA @ 240V ~ 530 VA @ 110V ~
Maximum apparent line resistance	$\leq$ 0.8 Ohm @ 240V ~ $\leq$ 0.4 Ohm @ 110V ~
Fuse of the distribution panel F1	ETF- 6,3 A / 250V UL/CSA
Main fuse (mobile unit) F2	F 6,3 A / 250 V 6,3x32 mm UL /CSA

High voltage values (k V)	60 / 65/ 70 kV selectable
High voltage accuracy (k V)	$\pm$ 10 %
Anodic current (mA)	5 mA
Anodic current accuracy (mA)	$\pm$ 20%
Exposure time (s)	0.01 – 2.0 s according to R10 scale
Exposure time accuracy (s)	$\pm$ 10% +1 ms
Maximum load	70 kV 5 mA 2 S
Operation type	Momentary: 2 sec. max

Tube Head Specifications

High voltage values (k V)	High frequency D C
Rated Voltage	60 / 65/ 70 kV
Tubehead power	420 W
Duty cycle	1:60 (60 times the X-ray time)
Focal spot size	0,4 mm (IEC 336)
X-ray field	$\varnothing$ < 60 mm (22×32 mm+ 32×42 mm options)
Minimum focus skin distance	20 cm
Leakage Radiation at 1 m	< 0.25 mGy/h
Technical factors for leakage radiation	70kV,5mA,1S Duty cycle 1 exposure every 60 seconds
Maximum energy in 1 hour	300mAs @70kV,2S

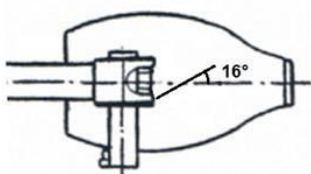




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X-ray Tube Specifications :

Rated voltage	70
Focal spot (IEC 336)	0,4 mm
Anode materia l	Tungsten
Anode tilt angle	16°
Anode thermal capaci ty	7 kJ
Inherent filtration	0,5 mm Al equivalent at 70 kV
Nominal anode power@ 0,1SEC (DC)	600 W



Weight of the device and removable parts :

Gross weight packing included	80 kg
Net weight of the device in stand ard configuration	55 kg
X-ray head	6,3 kg
Control unit	1,8 kg
Double pantograph ar m	10,4 kg
Extension arm 50 cm	3,2 kg
Extension arm 90 cm (standa rd)	3,9 kg

Operating conditions :

Temperature	+10 °C – +40 °C
Relative humidity	30%– 75%
Pressure	From 700 to 1060 hPa



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Wall-Mount Dental Generator



Wall-Mount Dental Generator has the same specifications as the Mobile unit, except for the following:

Weight of the device and removable parts

Gross weight packing included	30,1 kg
Net weight of the device in standard configuration	25,1 kg
X-ray head	6,3 kg
Control unit	1,8 kg
Wall plate	2,7 kg
Double pantograph arm	10,4
Extension arm 50 cm	3,2 kg
Extension arm 90 cm	3,9 kg



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