

 Belmont

 Belmont®



PHOT-X II

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 Belmont®

SEMBOLLER

	Consult written Instructions in Manuals		Protection against electric shock : Type B		ON (POWER)		OFF (POWER)
	Protection Grounding		Exposure Switch		X-ray Emission		Ready
	Upper Incisor		Upper Cuspid & Pre Molar		Upper Molar		Occlusal
	Lower Incisor		Lower Cuspid & Pre Molar		Lower Molar & Bite Wing		Bite Wing
	Digital Imaging		Child Patient		Adult Patient		Large Patient
	Regular Cone		Long Cone				

1.ANA GÜÇ AÇMA BUTONU

2.HAZIR LAMBASI

3.EKSPÖZE SÜRESİ AZALTMA BUTONU

4. EKSPÖZE SÜRESİ ARTTIRMA BUTONU

5. DİŞ SEÇME BUTONU T1

6. DİŞ SEÇME BUTONU T2

7. DİŞ SEÇME BUTONU T3

8. DİŞ SEÇME BUTONU T4

9. DİŞ SEÇME BUTONU T5

10. KON TİPİ SEÇME BUTONU

11.FİLM HIZ SEÇME BUTONU

12.DİJİTAL GÖRÜNTÜLEME MODU(RVG)

13.KV SEÇİM BUTONU

14.ma SEÇİM BUTONU

15.HASTA TİPİ SEÇİM BUTONU

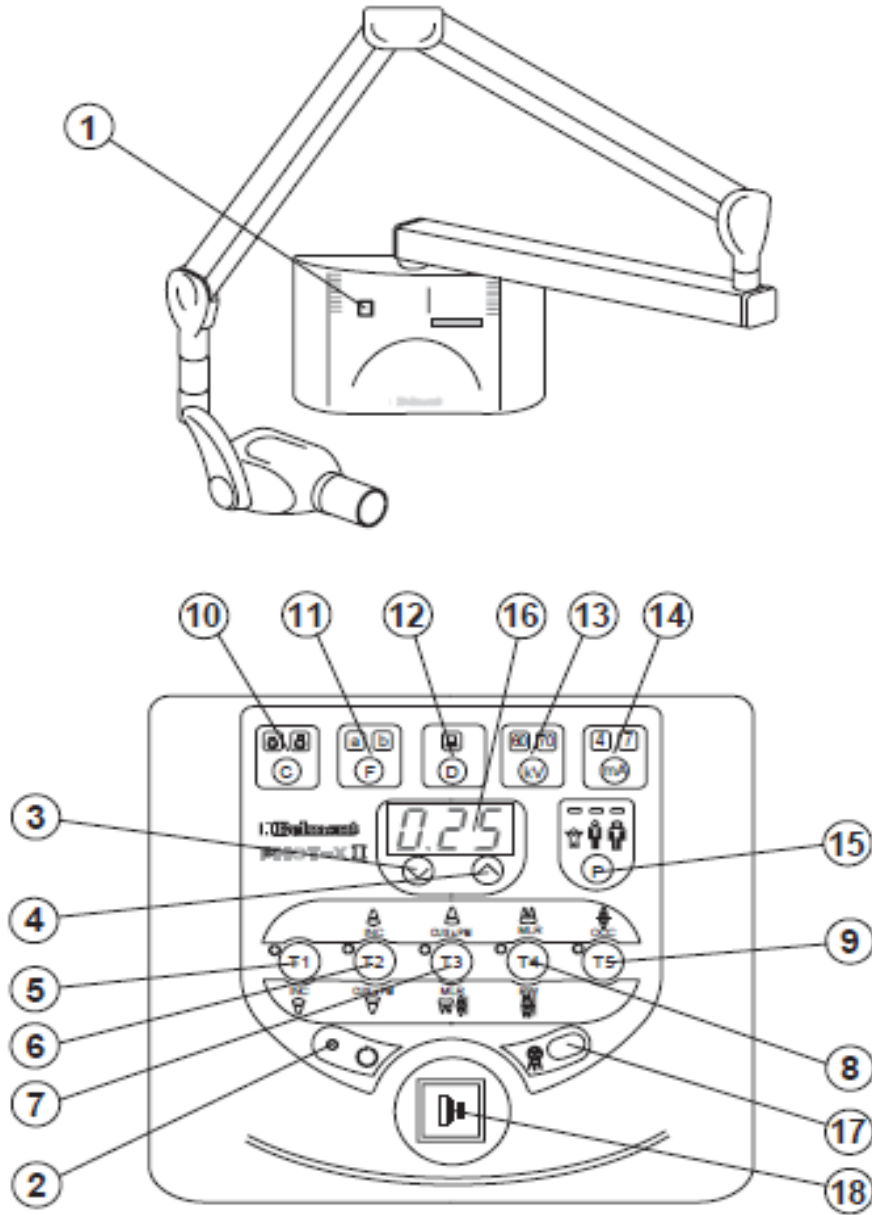
16.EKSPÖZE SÜRESİ GÖRÜNTÜLEME EKRANI

17.EKSPÖZE UYARI LAMBASI

18.EKSPÖZE BUTONU

 **Belmont®**

CİHAZ VE ANA KUMANDA PANELİ



EKSPÖZE SÜRESİ AYARLARI:24 ADET EKSPÖZE SÜRESİ

0.00, 0.01, 0.02, 0.03, 0.04, 0.05, 0.06, 0.08, 0.10, 0.13, 0.16, 0.20, 0.25, 0.32, 0.40
0.50, 0.63, 0.80, 1.00, 1.25, 1.60, 2.00, 2.50, 3.20 (sec.)

DİŞ SEÇİMİ VE BUTONLARI

T1 : Incisor of Mandible

T2 : Incisor of Maxilla, Cuspid & Premolar of Mandible

T3 : Cuspid & Premolar of Maxilla, Molars of Mandible, Bitewing

T4 : Molar of Maxilla, Bitewing Molars

T5 : Occlusal

STANDART KON İÇİN EKSPÖZE SÜRESİ AYARLARI

Speed Setting	kV	mA	Child					Adult					Large Adult				
			T1	T2	T3	T4	T5	T1	T2	T3	T4	T5	T1	T2	T3	T4	T5
F.09	60	4	0.16	0.16	0.20	0.25	0.32	0.25	0.32	0.32	0.40	0.63	0.32	0.40	0.40	0.50	0.80
		7	0.08	0.10	0.13	0.13	0.20	0.13	0.16	0.20	0.25	0.32	0.16	0.20	0.25	0.32	0.40
	70	4	0.10	0.13	0.16	0.16	0.25	0.16	0.20	0.25	0.32	0.40	0.20	0.25	0.32	0.40	0.50
		7	0.06	0.08	0.08	0.10	0.16	0.10	0.13	0.16	0.16	0.25	0.13	0.16	0.20	0.20	0.32
F.05	60	4	0.06	0.08	0.08	0.10	0.16	0.10	0.13	0.16	0.16	0.25	0.13	0.16	0.20	0.20	0.32
		7	0.03	0.04	0.05	0.06	0.08	0.06	0.06	0.08	0.10	0.13	0.08	0.08	0.10	0.13	0.16
	70	4	0.04	0.05	0.06	0.08	0.10	0.08	0.08	0.10	0.13	0.16	0.10	0.10	0.13	0.16	0.20
		7	0.02	0.03	0.04	0.04	0.06	0.04	0.05	0.06	0.06	0.10	0.05	0.06	0.08	0.08	0.13
d.06	60	4	0.04	0.05	0.05	0.06	0.10	0.06	0.08	0.10	0.10	0.16	0.08	0.10	0.10	0.13	0.20
		7	0.02	0.03	0.03	0.04	0.10	0.04	0.04	0.05	0.06	0.08	0.05	0.05	0.06	0.08	0.10
	70	4	0.03	0.03	0.04	0.04	0.06	0.05	0.05	0.06	0.08	0.10	0.06	0.06	0.08	0.10	0.13
		7	0.02	0.02	0.02	0.03	0.04	0.03	0.03	0.04	0.04	0.06	0.03	0.04	0.05	0.05	0.08

UZUN KON İÇİN EKSPÖZE SÜRESİ AYARLARI

Speed Setting	kV	mA	Child					Adult					Large Adult				
			T1	T2	T3	T4	T5	T1	T2	T3	T4	T5	T1	T2	T3	T4	T5
F.09	60	4	0.40	0.50	0.63	0.63	1.00	0.63	0.80	1.00	1.00	1.60	0.80	1.00	1.25	1.25	2.00
		7	0.25	0.25	0.32	0.40	0.50	0.40	0.50	0.50	0.63	1.00	0.50	0.63	0.63	0.80	1.25
	70	4	0.32	0.32	0.40	0.50	0.63	0.50	0.63	0.63	0.80	1.25	0.63	0.80	0.80	1.00	1.60
		7	0.16	0.20	0.25	0.25	0.40	0.25	0.32	0.40	0.50	0.63	0.32	0.40	0.50	0.50	0.80
F.05	60	4	0.16	0.20	0.25	0.25	0.40	0.25	0.32	0.40	0.50	0.63	0.32	0.40	0.50	0.63	0.80
		7	0.10	0.10	0.13	0.16	0.25	0.16	0.20	0.25	0.25	0.40	0.20	0.25	0.25	0.32	0.50
	70	4	0.13	0.13	0.16	0.20	0.25	0.20	0.25	0.25	0.32	0.50	0.25	0.32	0.32	0.40	0.63
		7	0.06	0.08	0.10	0.10	0.16	0.10	0.13	0.16	0.20	0.25	0.13	0.16	0.20	0.25	0.32
d.06	60	4	0.10	0.13	0.16	0.16	0.25	0.16	0.20	0.25	0.25	0.40	0.20	0.25	0.32	0.32	0.50
		7	0.06	0.08	0.08	0.10	0.13	0.10	0.13	0.13	0.16	0.25	0.13	0.16	0.16	0.20	0.32
	70	4	0.08	0.08	0.10	0.13	0.16	0.13	0.16	0.16	0.20	0.32	0.16	0.20	0.20	0.25	0.40
		7	0.04	0.05	0.06	0.06	0.10	0.06	0.08	0.10	0.13	0.16	0.08	0.10	0.13	0.13	0.20



[11] TECHNICAL DATA

1. X-ray tube	Toshiba D-0711 (Stationary Anode)			
a. Focal spot	0.7 mm			
b. Target Material	Tungsten			
c. Target angle	16°			
d. Maximum anode heat content	7kJ (10kHU)			
2. Maximum x-ray tube assembly heat content	120kJ (170kHU)			
3. Rated peak tube potential	60 kV / 70 kV selectable			
4. Rated tube current	4 mA / 7 mA selectable			
5. Maximum rated peak tube potential	70 kV			
6. Rated line voltage	120 VAC, 60Hz, Single phase, 1.3 kVA			
7. Line voltage range	108 VAC ~ 132 VAC			
8. Range of line voltage regulation	2 ~ 5 %			
9. Rated line current	10.8 A at 70 kV, 7 mA			
10. Maximum line current	12 A at 70 kV, 7 mA			
11. Exposure time	0.01 ~ 3.2 sec.			
12. Inherent filtration	1.7 mm Al Equivalent			
13. Added filtration	0.3 mm Al			
14. Minimum filtration permanently in useful beam	2.0 mm Al Equivalent at 70 kV			
15. Nominal roentgen output	60 kV		70 kV	
	4 mA	7 mA	4 mA	7mA
a. Distal end of regular cone	5.4	9.4	7.1	12.4 mGy/sec. ± 40%
b. Distal end of long cone	2.4	4.2	3.1	5.5 mGy/sec. ± 40%
(Data obtained by direct measurement in the useful beam)				
16. Nominal electrical output of H.V. generator	0.49 kW at 70 kV, 7 mA			
17. Cone	Source to skin distance		Field size	
a. Regular cone	8 inches (203 mm)		58 mm dia., circular	
b. Long cone (option)	12 inches (305 mm)		58 mm dia., circular	
c. Rectangular cone (option)	8 inches (203 mm)		36 x 47 mm, rectangular	
18. Maximum symmetrical radiation field	60 mm dia. at distal end of cone			
19. Leaking technique factor	70 kV / 0.14 mA			
	(0.14 mA is maximum rated continuous current for 7 mA with a duty cycle 1 : 50)			
20. Duty cycle	1 : 50 (0.5 sec. exposure with 25 sec. interval)			
21. Maximum deviation of tube potential, tube current and exposure time				
a. Below 0.1 sec. setting	±10 kV, ±2 mA, ±5 msec.			
b. 0.1 sec. setting & up	±5 kV, ±1 mA, ±10 msec.			
22. Measurement base of technique factors				
a. peak tube potential	Average of peak tube potentials during one exposure			
b. tube current	Average of tube current during one exposure			
c. exposure time	Time period during x-ray is emitted			
23. Half value layer	1.5 mm Al over			
24. Source to the base of cone distance	94 mm			
25. Environmental condition for storage	-20 ~ 70°C, 10 ~ 100%, 500 ~ 1060hPa			
26. Environmental condition for operation	10 ~ 40°C, 30 ~ 70%, 700 ~ 1060hPa			

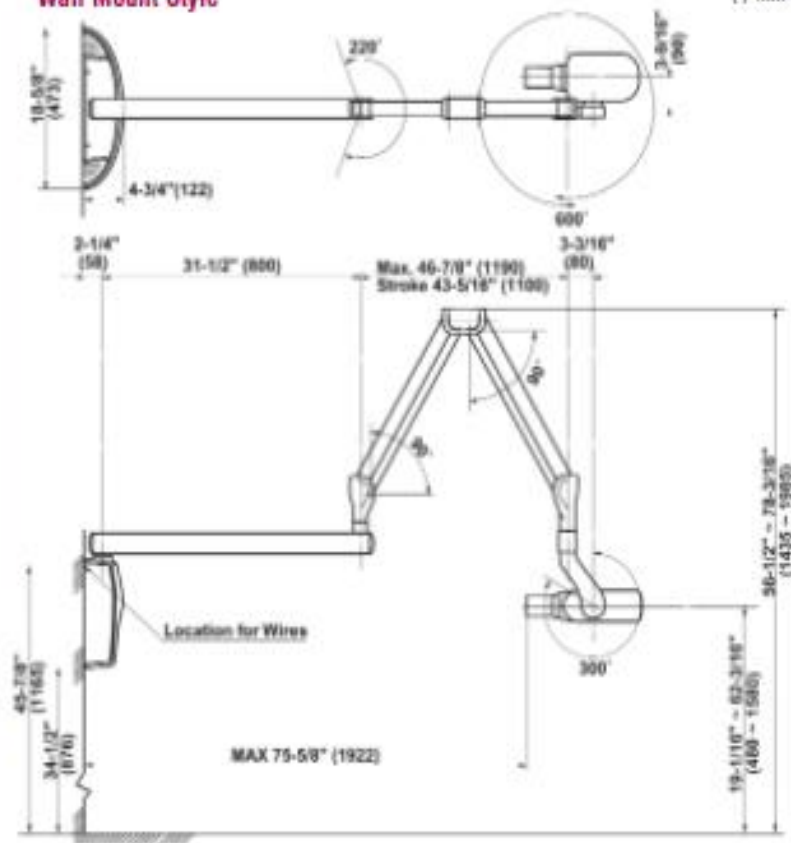
PHOT-X II

Intra-oral X-ray System

Dimensions:

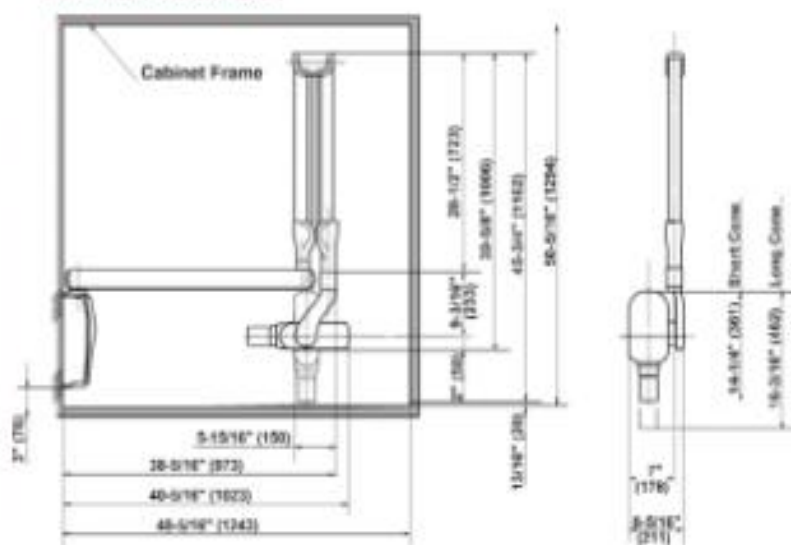
Wall Mount Style

()-mm



Pass-Thru Mount Style

()-mm



Specifications:

Constant Potential DC X-ray Generator

60kV/70kV -Selectable

4mA/7mA -Selectable

0.7mm Focal Spot

Line Voltage Range: 108-132 VAC

Rated Line Current: 10.8 A @ 70 kV, 7 mA

Exposure Time: 0.01-3.2 seconds

Minimum Filtration in useful beam:
2.0 mm Al equivalent at 70kV

Control Module:

7-1/4\" x 6-1/8\" x 1-5/16\"

Source to Skin Distance (SSD):

Standard Cone: 203mm

Optional Long Cone: 305mm

Optional Rectangular Cone: 203mm

Maximum Reach:

with standard 31.5\" Arm: 75-5/8\"

with optional 20\" Arm: 64-1/8\"

with optional 12\" Arm: 56-1/8\"

Additional Options:

Plate for 4x4 stud mounting

Coiled wire remote switch

2 Year Limited Warranty

Belmont

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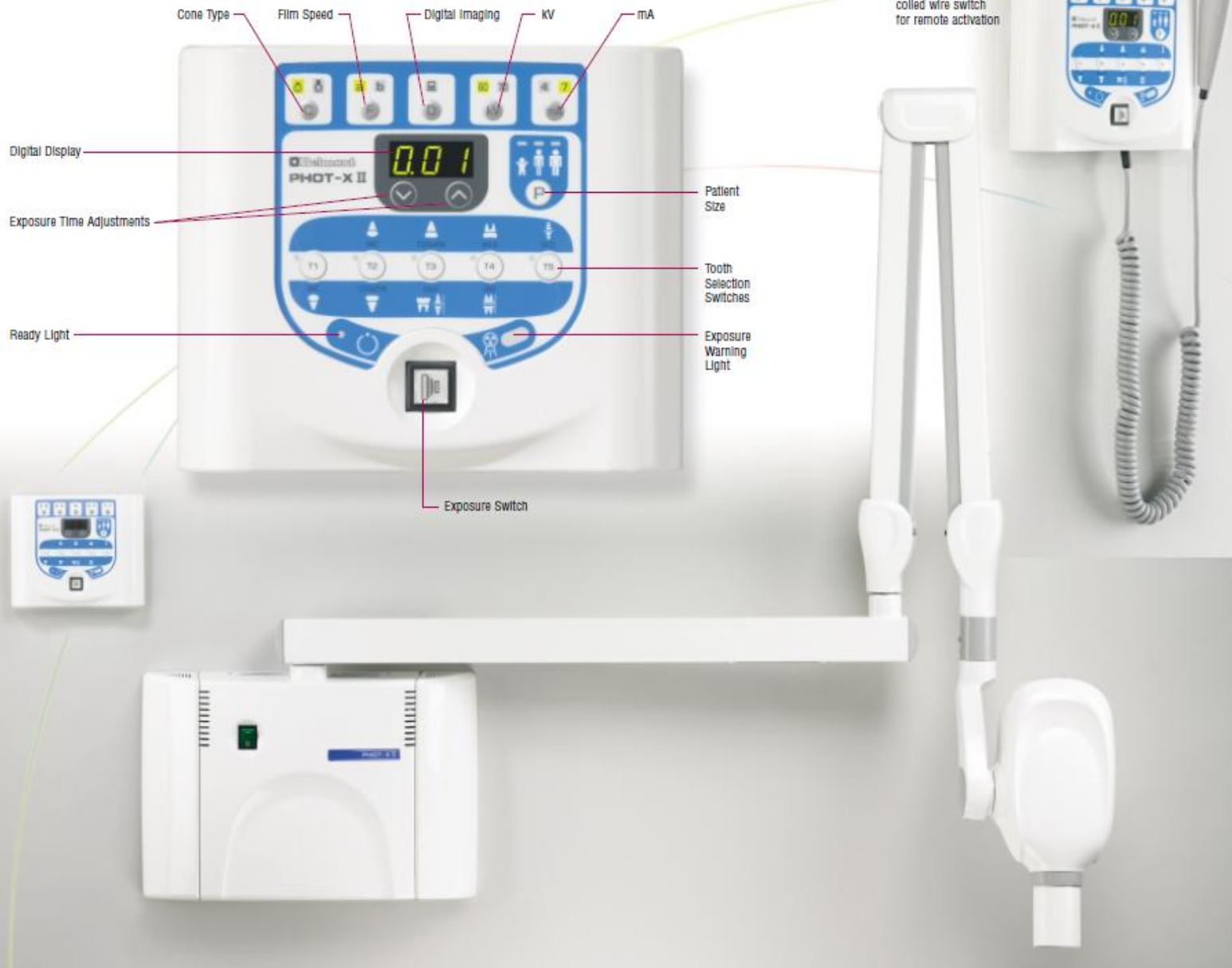
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REV041206

PHOT-X II

Intra-oral X-ray System



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