



Product Data

## Endos AC

Intra-oral X-ray unit

### Tubehead features

High voltage circuit type	Single phase, self-rectifying, grid controlled
Rated output voltage	70 kVp $\pm$ 6% @ 230V 70 kVp $\pm$ 6% @ 120V
Tubehead current	8 mA
Tubehead power	430 VA
Total filtration	2 mm Al eq. @ 70 kV
Maximum deviation of output current	$\pm$ 13%
Pre-heating time	100 ms
Interval between exposures (duty cycle)	1:32
Minimum focus to skin distance	20 cm 30 cm with optional collimator cone
X-ray field (at collimator tip)	Circular, diameter 6 cm Rectangular 35x45 mm with optional diaphragm
Leakage radiation @ 1m	0.1 mGy/h
Technical factors for leakage radiation	70 kV, 8 mA, 1 s, 1:32 duty cycle
Tube insert type	OCX/70-G
Focal spot	0.8 (IEC 336)
Anode material	Tungsten
Anode angle	19°
Inherent filtration	0.5 mm Al eq. @ 70 kV
Anode thermal capacity	6 kJ

### Scissors and extension arm features

Material	Aluminum
Type of painting	Glossy
Mounting type	- Wall mount with local timer - Wall mount with remote X-ray pushbutton - Ceiling mount - Mobile unit on trolley
Choice of extension arm length (only for wall mounted units)	- 30 cm - 60 cm - 80 cm



## Timer features

Exposure times	From 0.02 to 3.2s in 33 steps
Exposure times control	Microprocessor controlled exposure times, with automatic compensation of line voltage fluctuations
Timer accuracy	±10% or ±20 ms (whatever is greater) @ 230V ±10% or ±32.2 ms (whatever is greater) @ 120V
Exposure times visualization	Digital display
Exposure button	With extensible cable (3m)
Stand-by function	The system enters a low-consumption state after 5 minutes of inactivity
Visualization of number of exposures	Yes
External connections	Provisions for connection of: <ul style="list-style-type: none"> <li>- Remote x-ray pushbutton</li> <li>- Unit powered signal lamp</li> <li>- X-ray active signal lamp</li> </ul>

## Electrical characteristics

Line voltage	230V ± 10%	120V ± 10%
Line frequency	50 Hz	60 Hz
Absorbed current	4A rms @ 230V	8A rms @ 120V
Absorbed power	920 VA @ 230V	1.1 kVA @ 120V
Line resistance	≤ 0.8 Ohm	N/A
Max line voltage regulation	N/A	3% @ 132V

## Environmental conditions

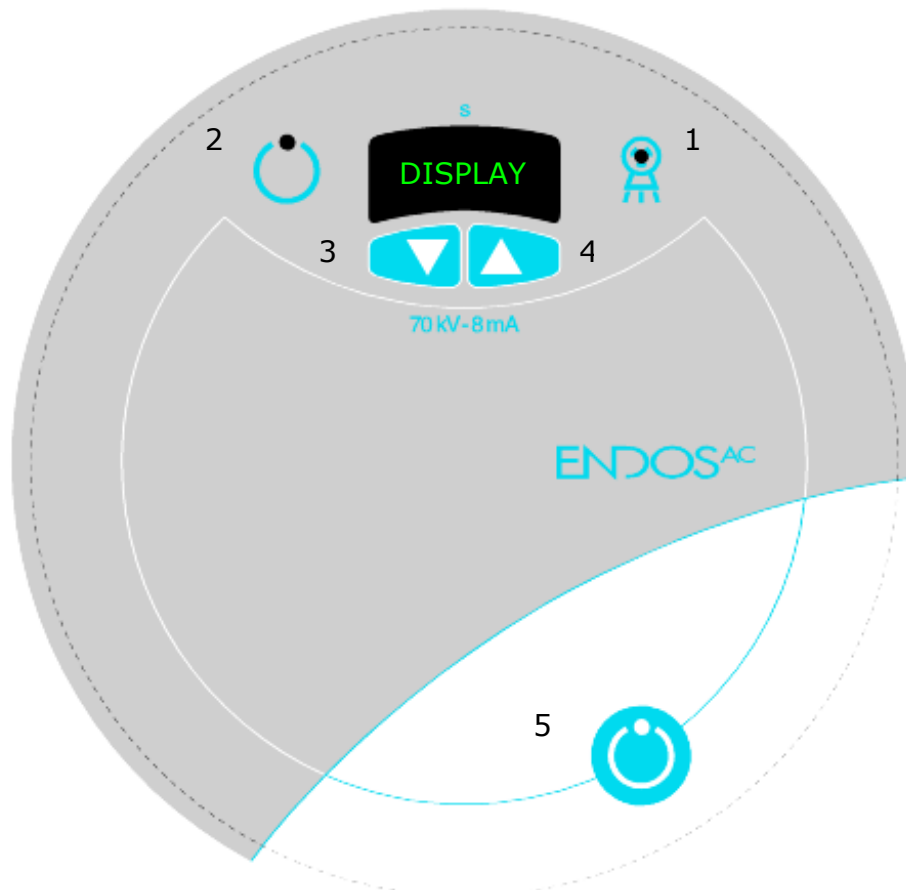
Operating conditions	Temperature:	+10° to +40° Celsius
	Humidity:	30% to 75%
Conditions for transport and storage	Temperature:	-20° to +70° Celsius
	Humidity:	up to 95 % non condensing
	Pressure:	up to 630 hPa

## Standard and regulations

This product is designed and produced to meet the following standards: EN 60601-1, EN 60601-1-1, EN 60601-1-2, EN 60601-1-3, EN 60601-1-4, EN 60601-2-7, EN 60601-2-28, EN 60601-2-32, EN 1441	
<b>CE</b> 0434	CE symbol grants the product compliance to the European Directive for Medical Devices 93/42 as a class IIB device.



## Keyboard functions



1. X-ray emission warning lamp
2. Ready for X-ray signal lamp
3. Manual decrease of exposure times
4. Manual increase of exposure times
5. Exposure enable button



## 6. Site planning (quotes in mm and inches)

