

Product Data

## Endos ACP

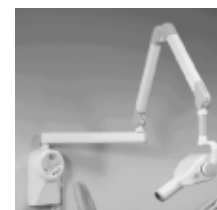
Intra-oral X-ray unit

### 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	<ul style="list-style-type: none"> <li>- Wall mount with local timer</li> <li>- Wall mount with remote X-ray pushbutton</li> <li>- Ceiling mount</li> <li>- Mobile unit on trolley</li> </ul>
Choice of extension arm length (only for wall mounted units)	<ul style="list-style-type: none"> <li>- 30 cm</li> <li>- 60 cm</li> <li>- 80 cm</li> </ul>



### Timer features

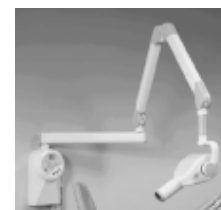
Exposure times	From 0.02 to 3.2s in 33 steps
Exposure times control	Microprocessor controlled exposure times, with automatic compensation of line voltage fluctuations
Timer accuracy	±10% or ±20 ms (whatever is greater) @ 230V ±10% or ±32.2 ms (whatever is greater) @ 120V
Exposure times visualization	Digital display
Exposure button	With extensible cable (3m)
Stand-by function	The system enters a low-consumption state after 5 minutes of inactivity
Number of anatomic programs	30 pre-set times
Choice of patient size	3 choices (small, medium, large)
Choice of anatomic region	<ul style="list-style-type: none"><li>- Incisors/canines (upper and lower)</li><li>- Premolars (upper and lower)</li><li>- Upper molars</li><li>- Lower molars</li><li>- Bite wing</li></ul>
Automatic dose reduction for videoradiography systems	Yes, with pushbutton on keyboard
Film speed setting	Yes
CCD/ phosphor-plates setting	Yes
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



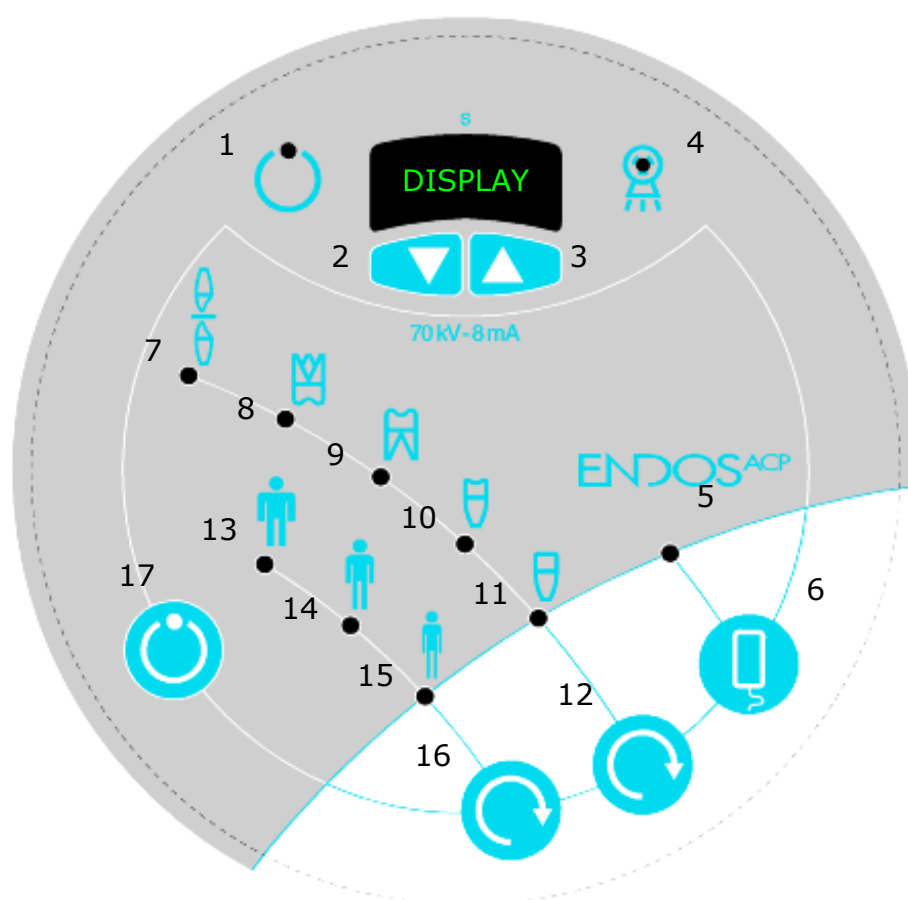
### Standard and regulations

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

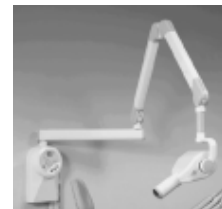


CE symbol grants the product compliance to the European Directive for Medical Devices 93/42 as a class IIB device.

### Keyboard functions



- |                                      |  |
|--------------------------------------|--|
| 1. Ready for exposure signal lamp    | 10. Premolars (upper and lower) signal lamp        |
| 2. Manual decrease of exposure times | 11. Incisors/canines (upper and lower) signal lamp |
| 3. Manual increase of exposure times | 12. Anatomic selection                             |
| 4. X-ray emission warning lamp       | 13. Large patient size signal lamp                 |
| 5. Video radiography signal lamp     | 14. Medium patient size signal lamp                |
| 6. Video radiography selection       | 15. Small patient size signal lamp                 |
| 7. Bite wing signal lamp             | 16. Patient size selection                         |
| 8. Upper molars signal lamp          | 17. Exposure enable button                         |
| 9. Lower molars signal lamp          |  |



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

