

ENDOS DC
ACP
AC

ENDOS DC ACP AC

Intraoral X-Ray For Film and Digital Systems



AFP Imaging Corporation
Generations of Imaging

DENTIX[®]

ENDOS DC ACP AC

With the full line of Endos intraoral X-ray units, everything has been designed to maximize operating efficiency while allowing the dentist to concentrate on diagnosis and treatment.

Eco-Driven

Endos x-rays have been designed in conformity to current international standards, such as the European CE mark for Medical Devices to minimize electromagnetic pollution. In addition, it is already compliant to the forthcoming International directives concerning mains fluctuations.





New Arm

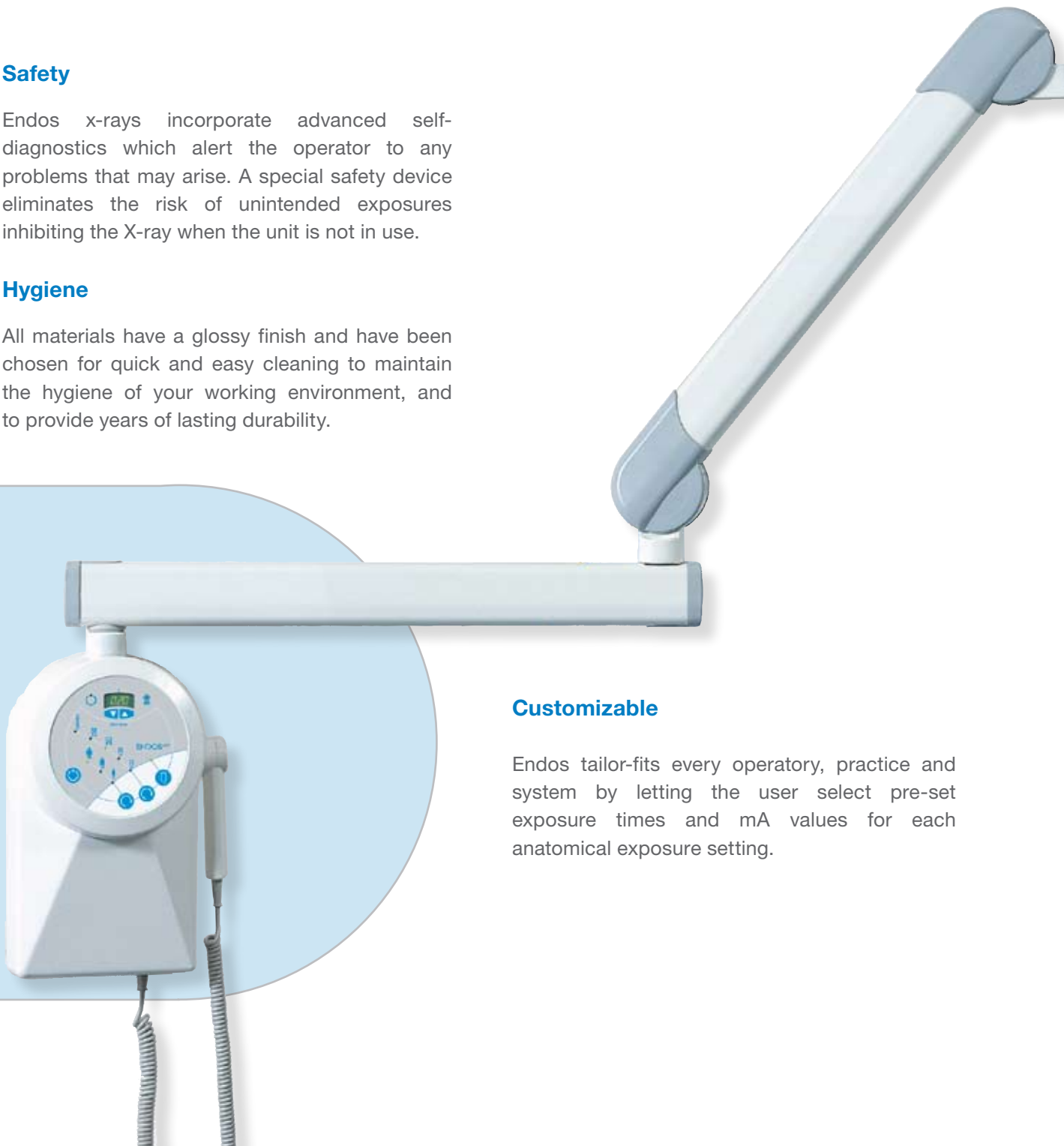
The Endos arm has been specifically designed for easy positioning. The craftsmanship accompanies its stability providing smooth use day after day.

Safety

Endos x-rays incorporate advanced self-diagnostics which alert the operator to any problems that may arise. A special safety device eliminates the risk of unintended exposures inhibiting the X-ray when the unit is not in use.

Hygiene

All materials have a glossy finish and have been chosen for quick and easy cleaning to maintain the hygiene of your working environment, and to provide years of lasting durability.



Customizable

Endos tailor-fits every operator, practice and system by letting the user select pre-set exposure times and mA values for each anatomical exposure setting.

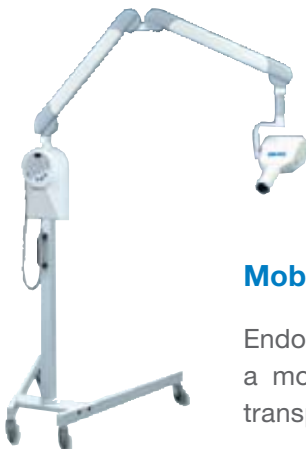
Flexibility

Endos can be configured with a remote timer allowing you to set all the exposure parameters outside the examination room for staff safety.



Extension Length

The Endos x-rays are available with 3 different extension lengths to accommodate any reach.



Mobile Stand

Endos can also be mounted on a mobile stand for safe, quick transport and convenience.



ENDOS^{DC}

Constant Potential DC Technology

A new constant potential, very high frequency (100kHz) generator ensures the highest radiation stability with unparalleled accuracy. The DC technology completely eliminates non-diagnostic “soft radiation”. The result is a reduction in patient dose of 25% compared to conventional generators.

Moreover, this technology has allowed engineers to design an exceptionally lightweight and compact tubehead (as short as 12”) to provide maximum ease of positioning. The duty cycle ratio (waiting time between exposures) is 1:16. After a typical .2 second exposure, the wait time for the next exposure would only be 3.2 seconds. Once again, this translates into high efficiency when several images are needed in a sequence.

Optimized Parameters /DLC Technology

The DC generator operates at 65kV, offering both depth of gray scale and contrast in small details. Four different types of receptors may be chosen: standard or new high speed films, digital sensors and a fully user-programmable modality. Thanks to pre-programmed anatomic techniques, the choice of the diagnostic target is easily achieved in two quick steps. Choose the size of the patient from the three available and the dentition area to be examined. That’s all.

DLC (Dual Low Current) technology sets the best exposure current (4 or 5 mA) according to the type of receptor to get the best image quality with both digital sensors, as well as dental X-ray films. The low current values have been optimized to take advantage of the very high sensitivity of both digital sensors and new fast films.

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Endos ACP: Optimized Parameters

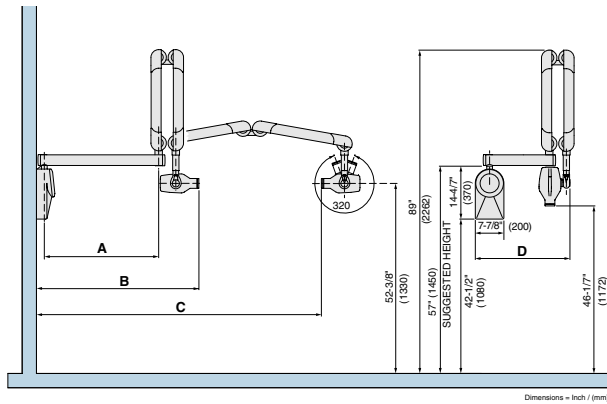
The sophisticated Endos ACP timer allows the selection of optimum exposure parameters using pre-programmed anatomical techniques. The choice of the diagnostic target is easily achieved in two quick steps: Choose the size of the patient from the three available and choose the dentition area to be examined. At the touch of a key a specific modality may be chosen which optimizes exposure times for use with any digital acquisition system.

Endos AC: The Essential Unit

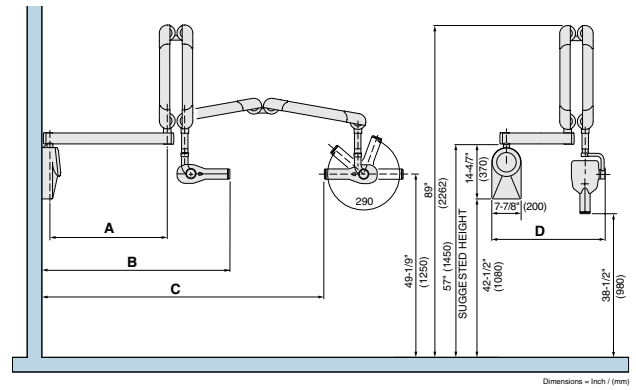
While employing the same advanced technology of the Endos ACP, Endos AC is based on the classic manual selection of exposure times. Endos AC is compatible with all digital sensor systems currently on the market. For those who prefer a basic unit, Endos AC is the best value for performance and budget.



ENDOS DC Specifications



ENDOS ACP/AC Specifications



ENDOS DC Dimensional Data

TOTAL REACH (B) WITH EXTENSION ARM LENGTHS (A):			
Short arm = 11-13/16"	(30cm)	25"	(63.5 cm)
Medium arm = 23-5/8"	(60cm)	36-13/16"	(93.5 cm)
Long arm = 31-1/2"	(80cm)	44-11/16"	(113.5 cm)
TOTAL INSIDE REACH (C) WITH EXTENSION ARM LENGTHS (A):			
Short arm = 11-13/16"	(30cm)	58-7/8"	(149.5 cm)
Medium arm = 23-5/8"	(60cm)	70-11/16"	(179.5 cm)
Long arm = 31-1/2"	(80cm)	78-1/2"	(199.5 cm)
TOTAL PARKED REACH (D) WITH EXTENSION ARM LENGTHS (A):			
Short arm = 11-13/16"	(30cm)	21 5/16"	(54 cm)
Medium arm = 23-5/8"	(60cm)	33 1/8"	(84 cm)
Long arm = 31-1/2"	(80cm)	41"	(104 cm)

ENDOS ACP/AC Dimensional Data

TOTAL REACH (B) WITH EXTENSION ARM LENGTHS (A):			
Short arm = 11-13/16"	(30cm)	30-7/8"	(78.5 cm)
Medium arm = 23-5/8"	(60cm)	42-3/4"	(108.5 cm)
Long arm = 31-1/2"	(80cm)	50-5/8"	(128.5 cm)
TOTAL INSIDE REACH (C) WITH EXTENSION ARM LENGTHS (A):			
Short arm = 11-13/16"	(30cm)	56-5/16"	(143 cm)
Medium arm = 23-5/8"	(60cm)	68-1/8"	(173 cm)
Long arm = 31-1/2"	(80cm)	76"	(193 cm)
TOTAL PARKED REACH (D) WITH EXTENSION ARM LENGTHS (A):			
Short arm = 11-13/16"	(30cm)	25 11/16"	(65.2 cm)
Medium arm = 23-5/8"	(60cm)	37 1/2"	(95.3 cm)
Long arm = 31-1/2"	(80cm)	45 3/8"	(115.3 cm)

ENDOS DC Product Data

Power supply	220/230/240V ±10% 50/60 Hz 110/120V ±10% 50/60 Hz
X-ray tube	Constant potential DC 65 kV, 4 e 5 mA
Focal spot	0.7 mm IEC 336
Focus to skin distance	20cm (7-7/8") standard, 30cm (11-13/16") with optional collimator cone extension
X-ray field (at collimator tip)	Diameter 60mm (2-3/8"), 35x45mm (1-3/8"x1-3/4") with optional diaphragm
Duty cycle	1:16
Exposure times	0.01 to 2s in 34 steps
Anatomic programs (ACP only)	60 pre-set times
Shipping weight	102 Lbs (38 Kg)
Warranty	2-year limited

ENDOS ACP/AC Product Data

Power supply	230V ±10% 50Hz 120V ±10% 60Hz
X-ray tube	70kV, 8mA
Focal spot	0.8mm IEC 336
Focus to skin distance	20cm (7-7/8") standard / 30cm (11-13/16") with optional collimator cone extension
X-ray field (at collimator tip)	Diameter 60mm (2-3/8") / 35x45mm (1-3/8"x1-3/4") with optional diaphragm
Duty cycle	1:32
Exposure times	0.02 to 3.2s in 32 steps
Anatomic programs (ACP only)	30 pre-set times
Shipping weight	102 Lbs (38 Kg)
Warranty	2-year limited