



owandy
DENTAL IMAGING SYSTEMS & SOFTWARES

Altis DC
Intraoral radiology

High-frequency Technology

Altis DC

High-frequency technology: an incomparable asset



DC technology brings innovation to radiodiagnostics

Altis DC is a high-frequency radiology machine designed to meet the needs of today's practitioners. It combines technological performance, ease of use, and improved protection from radiation to provide extremely high image quality.

Enhanced precision

Equipped with DLC high-frequency technology, the Altis DC generator guarantees consistent exposure settings. It offers a wealth of information and easy interpretation of images - two essential conditions for making the correct diagnosis.

Two power levels for twice the precision

- **High-frequency generator with DLC technology:** low-voltage dual current with variation of less than 2%.
- **4 mA or 5 mA** as appropriate for your needs: digital or traditional images.

- **65 kV :** the use of a Single High Voltage increases the optimal dynamic levels for digital sensors and film, yielding a wider range of visible gray levels.

The Altis DC generator guarantees total stability of your exposure settings.

Enhanced reliability

Exposure times are accurate to nearly one-hundredth of a second.

- **The timer is powered by a microchip** so you retain complete control over the exposure parameters at all times.
- **A beeping sound** is produced while x-rays are being generated, to enhance your safety and that of your patient.

Increased accuracy

- The Altis DC's timer - simple, precise, and functional in design - serves as an effective control centre.
- The exposure settings are displayed on the timer screen for real-time monitoring.

Choose between two operating modes:

- The manual mode (0.01 to 2 seconds) offers complete autonomy for configuring and adjusting the exposure parameters.
- Automatic mode, easier and more reliable, provides pre-programmed settings.
- **Three types of patients**
- **Five types of teeth and examinations**
- **Four types of media** (sensor, film 1, film 2, undefined), according to your choice; the mA values (4 or 5) are selected automatically.





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Image definition that's worthy of your diagnostic skills



- Bitewing x-ray



- Retroalveolar x-ray



Enhanced safety

The dosage of radiation is reduced. HF technology eliminates hazardous soft rays. Radiation levels are effectively 25% lower than with conventional generators, with immediate safety benefits for you and your patient.

- Moreover, the addition of a collimator (35 x 45 mm) and a 30 cm cone, which are automatically detected by the generator's electronics, reduces the area of exposure to provide even greater protection against radiation.
- In the event of an error or malfunction, x-ray emission is stopped immediately.

Safety is a critical benefit for you and your patient. **More assistance, greater assurance.**



Stability: your guarantee of successful images

- The highly user-friendly rotating arm is designed for simple operation with no improper movement and **can easily be manoeuvred into the desired position.**
- An incidence scale makes it easy to find just the right position.

Enhanced well-being

Better ergonomics

Small in size, with a flexible arm, timer, compact generator, and a harmonious colour, the Altis DC matches high technology with aesthetics for seamless integration into your dental practice.

The timer includes a simple cable, similar to those on telephones, so that it can be placed wherever is most convenient for you.

A design that meets your needs

Enhanced space savings

Regardless of your practice's layout, function, and available space, there is space for the Altis DC to help you operate effectively.

Offered as a wall-mounted assembly with a range of extension arms (30, 60, and 80 cm).

Altis DC fits naturally into your environment.





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Altis DC technical specifications

Device	Altis DC Class II B 93/42 EN 60601-1, EN 60601-1-1 EN 60601-1-2, EN 60601-1-3 EN60601-1-4, EN 60601-2-7 EN60601-2-28, EN 60601-2-32 EN 1441
Voltage	220/230/240V ± 10% / 50-60 Hz
Pre-programmed exposure times	0.01 - 2 seconds (35 increments)
Tube current	4 mA or 5 mA
Focal length	0.7 mm (IEC 336)
Distance from focal spot to skin	20 cm (standard) 30 cm (with cone extension)
Tension	High-frequency 65 kV, DC (Inverse frequency: 100 kHz)
Total filtration	> 2 mm Al eq. @ 65 kW
Timer	Powered by microchip 60 pre-programmed exposure times
Serial interface	RS 232 serial port for future applications
Extension arm	30, 60, 80 cm
Dimensions when fully extended	1,495 mm / 1,795 mm / 1,995 mm
Handswitch	with extension cable (3 m) or directly on the timer
The EC symbol certifies that the product complies with the 93/42/EEC directive	

