

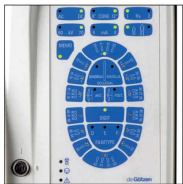
## Reliability



The **xgenus®** and **xgenus®dc** generators are esteemed for their reliability and precision.

Designed in one piece, and made from light alloy, the generators have been built in conformity with the "double chamber" technique: inside the first compartment there is the X-ray tube with dielectric oil (temperature control and high electrical insulation coefficient); inside the second one we can find the electronic components.

## Ergonomics



The patented timer incorporates new technology able to recognize automatically the type of generator connected and then to **control an xgenus® or an xgenus®dc, with their respective control options** (the **xgenus®** timer can be simultaneously connected to two **xgenus®** and/or **xgenus®dc** generators).

Thanks to the pictograms and the layout of the control buttons, programming is extremely intelligent. The special set up can be easily managed and the exposures personalized and programmed.

## Rapidity



The firmware of the electronics, compatible with both generators, allows exposures and radiation absorption to be kept to a minimum.

Thanks to the digital pictograms, exposure can easily be identified on the control panel.

(From 0,020 a 3,200 sec. in 23 progressions for **xgenus® dc**).

The employment of digital sensors means that exposures can be reduced by 75%, compared to films.

The exposures for the **xgenus®** model are optimized by the use of new generation films (type "F"), compatible with certain digital sensors (from 0.080 to 3.200 sec., 17 increments).

**The employment of type "F" films allows reduction of radiation by 60% compared to the type "D" films.**

# xgenus® dc

The new generator **xgenus®dc** is equipped with an X-ray tube (intensity from 4 to 8 mA) producing a constant voltage of 60 kV or 70 kV. It works at high frequencies, at a constant electric potential, allowing the emission of high quality X-rays, in any conditions.

The choice of the voltage, (60 or 70 kV) and of the anodic current (4 or 8 mA) allows optimization of the diagnosis for intra-oral set-up, with an exposure reduction equal to **35% compared to the monophasic technology devices.**

The timer is able to control up to 2 **xgenus®dc** generators.

**The short exposure times (minimum 0.020 sec.) are perfect for the digital radiology** with CCD, CMOS, or phosphoric sensors (the radiations are 50% lower than those used with the type "E" film).



# xgenus®

The new **xgenus®** generator is equipped with a monophasic X-ray tube, with an independent auto-regulation system producing a high voltage of 70 kV, with an ideal intensity of 8 mA. For better precision, the high intensity radiation is concentrated in a focal spot with a 0.7 mm diameter. In the standard long-cone set-up, the generator perfectly suits the parallel technique (also available are short code and rectangular cone options).

The new timer is set for use with "D", "E", or "F" films.

Can be spaced apart and is able to control one or two X-rays, for any technology:

**xgenus® + xgenus® or xgenus® + xgenus®dc;**

**versatility makes the xgenus® system unique, offering probably the best flexibility for intra-oral X-ray.**

