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GROWING WITH TRUST

FONA



FONA XDG

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FONA XDG

WORLD'S BEST FOR DIGITAL

FONA XDG is an innovative dental X-ray equipment which meets the most stringent imaging requirements in the dental field, both when using high resolution digital receptors or finest grain films.



Smart Timer

The **TipSet timer**, heart of the system, is a computerized unit equipped with flat keyboard and digital display for full control of X-ray generation. Designed for ease of use, precision and reliability, it grants dose accuracy and reproducibility even in the most demanding working conditions. It features automatic setting of technique factors in mAs through object-programmed selection according to tooth type and patient size, basing on sensitivities declared for digital sensor and type of film to be used in the practice. Manual override of set up parameters is possible whenever necessary. Other features include real time controls for dose consistency, cool down procedure for minimum waiting time, improved safety with back-up timer and X-ray cut-off with "dead-man" functionality on control switch.

Technical data

Tube Head

- Focal Spot: 0.4 IEC 336/1993
- Mains Voltage: 120/230 VAC, 50/60 Hz
- High Voltage Potential: 70 kVp
- Anodic Current: 3.5 mA
- Inherent Filtration: 2.5 mm Al
- Focus Skin Distance: 21 cm
- Output Radiation Field: Round 6 cm, Rectangular 3.5x4.6 cm
- Weight: 6.5 kg

Mechanical Support system

The wall mounted support system includes:

- Wall support (12 cm width, 24 cm height, 9 cm depth)
- 30, 60, 80 and 100 cm extension arms
- Folding arm; useful reach of:
  - 138 cm with 30 cm extension arm
  - 168 cm with 60 cm extension arm
  - 188 cm with 80 cm extension arm
  - 208 cm with 100 cm extension arm

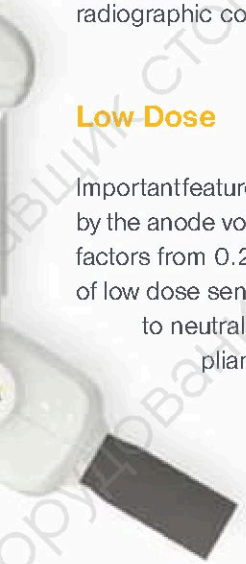
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Sharpest Images Delivered

The best results can be achieved when in combination with digital sensors, the full imaging potential can be exploited without compromises. The joint use of extra fine focus (XFF) generators and high resolution digital sensors is actually setting a new imaging standard with highly defined images and with great diagnostic power. The very small focal spot of the X-ray insert, the beam limiting device with effective near focus collimation and the penetration power of the70 kV radiation beam constitute the best combination of elements to get sharp images with good radiographic contrast and optimum detail perception.

Low Dose

Important feature of the system is the wide latitude of exposure given by the anode voltage potential of 70 kV over a range of technique factors from 0.21 to 11.2 mAs, which allows to cover the needs of low dose sensors and of traditional films. High care is devoted to neutralization of soft radiation through filtration, in compliance to quality requirements, up to the right hardness of radiation for high contrast rendering.



XFF Generator

Diagnostic imaging relies on extra fine focus (XFF) generators to fully exploit the resolution power delivered by first class receptors.

Paralleling Techniques

The adoption of sensor holders for paralleling techniques, where anatomical details can be up to one inch from the receptor, further increases the importance of the XFF generators for finest results.

mAs

The technique factor current-time product in mAs (anode current by exposure time) allows for a more general representation of the working conditions and makes the comparison with other generators having different value of anode current easier.

Configurations

The system configurations include wall mounted solutions with short, medium, long or extra long extension arms, and mobile. The folding arm in aluminum casting is solid and stable, features of utmost importance for precise positioning without drifts and fluctuations.

Timer **TipSet** in mAs

- Mains: 115/230 VAC, 50/60 Hz
- Microprocessor controlled functionality
- Sensitivity setting for digital receptor and film
- Automatic setting of technique factors by object selection or manual mode
- Technique factors in mAs from 0.21 to 11.2 (18 steps R10 scale)
- Zero-crossing power switching
- Dose consistency (accuracy and reproducibility)
- Inhibition of effects of mains fluctuations selectable on request
- Back-up timer
- Hand-switch with 3 m coiled cord
- Timer and/or hand-switch can be remotely mounted
- Dimensions: 15 cm width, 24 cm height, 9 cm depth

The **mobile** support is composed of:

- Mobile stand (74 cm width, 112 cm height, 62 cm depth)
- Folding Arm (73 cm height)

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Subject to technical changes and errors in the text, Order No. A91100-M4-B443-01-7600, Printed in Germany, Dispo No. 04600, JP11-085 WS 031110.V0

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