

IntraOs 70

IntraOs 70 is a traditional dental X-ray equipment designed to face the most demanding needs of the dental profession both when using traditional films and digital imaging receptors.

Main feature of the system is the great energy offering obtained by combining the voltage potential of 70 kVp and the anodic current of 7 mA with a wide range of exposure times, from 60 ms to 3.2 s.

The possible selections of technical parameters satisfy all the needs of both dental offices using traditional films with chemical processing as well as those equipped with low-radiation-dose digital detectors.

The small focal spot, the beam limiting device with effective near focus collimation, and the penetration power of a 70 kVp radiation beam make the best combination of technical parameters which grant sharp images with good radiographic contrast for optimal detail perception.

Features such as grid control action and compensation of mains fluctuations assure consistent film blackening in a wide range of operating conditions, thus granting high



diagnostic quality at first time (less retakes). Available configurations include wall or mobile solutions. Wall mounted systems feature short, medium, or long extension arms giving a useful reach up to 72" 3/4.

The systems comes equipped with the AutoSet timer offering the best flexibility of use: anatomical selection of technique factors, green light for "system ready", yellow light and buzzer for

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"radiation emission", and a red light for "faulty condition"; each timer and each hand-switch can be remotely mounted.

The AutoSet timer has a flat keyboard and is microprocessor controlled. It features: automatic setting of exposure time from 60 ms to 3,2 s through object programmed selection according to tooth type and patient size; manual override (plus or minus) if required; digital display of selected values; dose reduction for digital receptors; pre-setting of film sensitivity and beam collimator length is required; automatic compensation of the effects of line voltage fluctuations selectable on request; full protection against tube over-heating with accurate cool-down control procedure for minimum waiting time; improved safety features with back-up timer and X-ray cut-off with "dead-man" functionality on control switch; selective alarm messages.



AutoSet

Technical Data

Tube Head

- Type: Grid-Control Action
- Line Voltage: 120 VAC, 50/60 Hz
- Line Current: 8 A
- High Voltage Potential: 70 kVp
- Anodic Current: 7 mA
- Focal Spot: 0.8 IEC 336/1982
- Duty Cycle: 1/30
- Skin Distance: 20 cm
- Circular Radiation Field: diameter 6 cm
- Coaxial connection, free rotation in horizontal plane
- Weight: 14 lb

Mechanical System

The **wall mounted** suspension system includes:

- Wall support
- Short, medium, and long extension arms 17 3/4, 27 1/2, and 35 1/2 inches long
- Folding arm; useful reach of 55", 65", or 72" 3/4 with short, medium or long extension arm respectively.

The **mobile version** is composed of:

- Mobile base: 29" width, 42" height, 24" 1/2 depth.
- Folding arm

AutoSet Timer

- Line voltage: 115 VAC, 50/60 Hz
- Microprocessor controlled functionality.
- Zero-crossing power switching
- Automatic setting of exposure time by object selection
- Manual setting of exposure time from 60 ms to 3.2 s (plus or minus, 18 steps)
- Child or Adult patient selection
- "Low dose" setting for digital receptors
- Hand-switch provided with 10' coiled cord
- Automatic compensation of mains fluctuations selectable on request
- Back-up Timer
- Timer and hand-switch can be remotely mounted

BLUEX

Blue X Imaging Srl

Via Idiomi 3/16 • 20090 Assago • Italy
Phone ++39 02.4571.2171 • Fax ++39 02.4570.3385
e-mail: bluex@bluex.it

Representation in the U.S.A.

Chicago X-ray Systems Inc.

251 E. Dundee Road, Suite 6 • Wheeling, IL 60090
Phone 847 459 3889 • Fax 847 459 9214
e-mail: chicagox-ray@att.net