

Anatomical Programming with High Frequency Technology

Superior Images in Less Time... with Greater Accuracy



SPECTRA 30HF AP

Anatomically Programmed
High Frequency Radiographic Generator

AMERICOMP

Use the Programmed Technique Factors or Customize to Fit the Patient

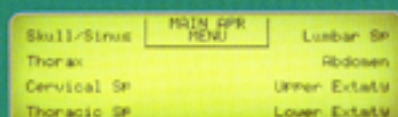
VERSATILE *Choose Between AP, Manual or AEC Mode*

With three modes to choose from, the Spectra 30HF AP provides maximum flexibility and full control of the powerful 30kW generator.

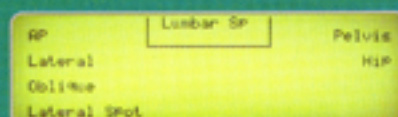
AP MODE *Easy as 1-2-3*

For consistent, effortless radiography, the AP (anatomical programming) mode offers fast, automatic technique selection in three easy steps:

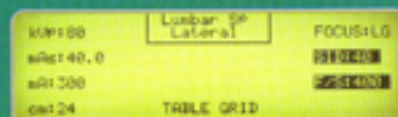
Step 1 - *Select the anatomical region*



Step 2 - *Select the radiographic view*



Step 3 - *Enter the patient's centimeter thickness*



Exceptional Capabilities

The Spectra 30HF AP displays technique factors for the x-ray exposure as well as all exposure parameters. The soft-touch arrow buttons provide complete control to modify any technique factor or parameter. For greater flexibility, the AP program can be modified and the changes saved to memory. Customized AP menus and parameters can be saved using the APR memory card.

MANUAL MODE *Fast 2-Point Selection*

Select only the kVp and mAs factors, and the Spectra 30HF AP generator will automatically select the highest mA station and the shortest exposure time — resulting in less image blur caused by patient motion. The large LCD window displays the kVp, mAs and mA station, allowing modifications to be made prior to the x-ray exposure.

AEC MODE *The Perfect Complement*

The optional AEC (automatic exposure control) produces optimal images by automatically terminating the exposure at the exact mAs required for a superior image every time. AEC mode is operational in either AP or manual. When used in AP, the anatomical programming automatically sets the preferred field selection and establishes the back-up mAs. After exposure, the Post-mAs is displayed for convenience and safety.

SPECIFICATIONS

OUTPUT SPECIFICATIONS

- 20 kHz High Frequency Technology
- 30 kW rating
- kVp range: 40 - 125 in 1 kV steps
- mAs range: 0.5 - 400 mAs
- mA range: 50 - 300, 6 stations

INPUT POWER

- 230 - 250 VAC, Single Phase, 50/60 Hz, 100 Amp* rated line minimum
**Optional step-up transformer is required for line voltages less than 230 VAC to achieve full rated output*
- Maximum Momentary Line Current: 200 Amps at 240V, not continuous

TECHNICAL SPECIFICATIONS

- Modes of operation: AP (anatomical programming) and Manual
- Soft-touch control panel with LCD display
- Microprocessor controlled
- Automatic line compensation
- Programmable tube protect system
- Built-in self diagnostics with error display
- Audible and visible x-ray exposure indicator
- Receptor indicator (wall bucky, table bucky, non-bucky)
- 50' Interconnect cable (control to power module)
- Dimensions: Operator console: 7" x 12" x 2" (18 x 30 x 5 cm)
Power module: 20" x 18" x 37" (51 x 46 x 94 cm)
- Weight: Operator console: 5 lbs. (2 kg)
Power module: 190 lbs. (86 kg)



WARRANTY

- Five-year parts warranty

OPTIONS

- AEC mode with integrated electronics
- Wall mounting kit for operator console
- Floor pedestal for operator console
- Additional APR memory card

AMERICOMP

AMERICOMP INC.

Chicago, Illinois, USA

1-800-458-1782

Fax 773-583-1751

www.americomp.net