

# HP® 4700A & 4750A EKG UNITS

- 3-Channel EKG Units
- Operating modes: AUTO, MANUAL, RHYTHM
- Defibrillator protected
- Chart recorder
- ECG Memory
- Full site printouts 8" x 11"



Typical Manufacturer's Picture

## Specifications

<b>Chart Speed Accuracy</b>	±1% at all speeds (200, 100, 50, 25, 12.5, 10.0, 5.0, and 2.5 mm/sec)
<b>Frequency Response</b>	0.05 to 100Hz bandwidth. 40Hz upper cutoff and 0.5 Hz low cutoff selectable.
<b>Electrode Input Impedance</b>	Greater than 50 megohms resistance shunted by less than 1400pF at the patient cable tips.
<b>Patient Isolation</b>	Less than 10µA leakage with 120VAC at patient input.
<b>Standardization</b>	1.0 mV ±2%, 200msec ±1%.
<b>Defibrillation Protection</b>	Protected against defibrillator damage from 400 watt-second discharges.
<b>Auxiliary Output</b>	1.0V/mV at 1.0 cm/mV sensitivity. 0.05 to 500Hz frequency response.
<b>Pen Life</b>	~ 300 AUTO mode EKGs.
<b>Common Mode Rejection</b>	115 dB or greater in any lead with 51 kilohms in parallel with 0.047µF electrode impedance imbalance and up to ±300mVdc offset in any lead.
<b>Input Bias Current</b>	Less than 100 nanoamperes per lead.
<b>DC Offset Sensitivity</b>	±300mVdc offset at patient input results in less than 5% gain change.
<b>Crosswalk</b>	Greater than 40dB down with a full scale signal on the other two channels (0.05 Hz to 100 Hz)
<b>ECG Memory</b>	Complete COPY of AUTO or MANUAL records. Up to 40 lead seconds of SAVED data during RHYTHM.
<b>Lead Groups</b>	1- I, II, III; 2-aVR, aVL, aVF; 3-V1, V2, V3; 4-V4, V5, V6; 5-special Leads nominally set to II, aVF, V5; and 6-optional leads.
<b>Line Power (AC Module)</b>	100/120/220/240 VAC, 50/60 Hz, 75 VA maximum.
<b>Size</b>	11.2 cm high, 39.4 cm wide, 42.2 cm front to back (4.4" x 15.5" x 16.6")
<b>Weight</b>	8.5 kg (19 lbs.) without cables.

### Basic Operating Modes

	Recording Speed	Sensitivity	Frequency Response	Lead Selection
AUTO	Auto 25 mm/sec Rhythm strip 2.5, 5.0, 10, 25, 50, 100 mm/sec	Auto 0.5, 1, 2 cm/mV Rhythm strip 0.25, 0.5, 1.0, 2.0 cm/mV	0.05 - 100 Hz or 0.05 - 40 Hz, selectable	Standard 12 leads plus selectable 1 lead rhythm strip
MANUAL	25, 50, 100, 200mm/sec	0.25, 0.5, 1, 2 cm/mV	0.05 - 100 Hz or 0.05 - 40 Hz, selectable	Any one of 6 lead groups (3 leads each)
RHYTHM	2.5, 5, 10, 12.5, 25, and 50 mm/sec	0.25, 0.5, 1, 2 cm/mV	0.05 - 100 Hz, 0.05 -40 Hz, 0.5 - 100 Hz, or 0.5-40 Hz, selectable	Any one lead, switchable during recording

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