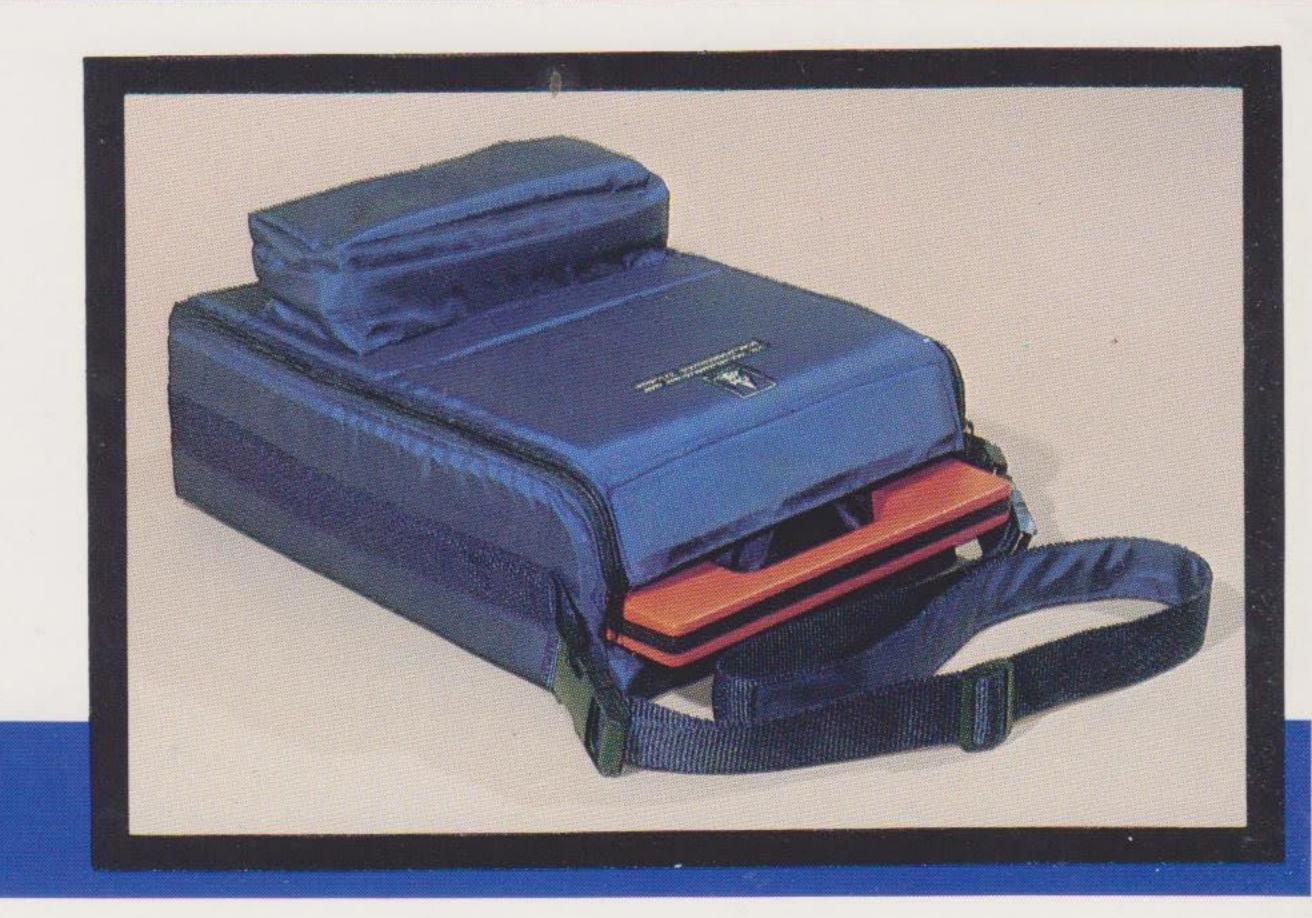


IN MODULAR CONSTRUCTION

I MODEL 3550 WAS DESIGNED TO MINIMIZE DOWN-TIME BY G A COMPLETELY MODULAR CONSTRUCTION. NEARLY ALL CUITRY IS HOUSED IN SIX MODULES; THE MED PACK, TONE ECEIVER, TRANSMITTER, UHF AMPLIFIER AND DUPLEXER F THESE MODULES CAN BE REMOVED AND REPLACED IN A OF MINUTES. A DOUBLE-SIDED FLEXIBLE CIRCUIT IS USED TO E INTERCONNECTION BETWEEN THE FRONT PANEL MOTHER AND THE SIX PLUG-IN MODULES.





MODE — SWITCH MODE TO PUSH TO TALK

TRANSMITTED IN THIS MODE. BOTH VOICE

CATED ON THE HANDSET TO TRANSMIT.

MODE, TRANSMISSION IS CONTINUOUS

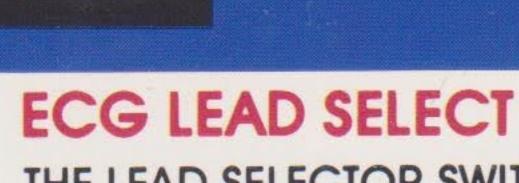
JLTIPLEX OPTIONS ARE AVAIALABLE.

REPEAT MODE

THE 12 WATT MCI MODEL 3550 IS CAPABLE OF BEING USED AS A PORTABLE REPEATER. INCOMING VOICE AND ECG SIGNALS FROM A LOW POWER HAND-HELD PORTABLE WILL BE TRANSMITTED ON AN EXTENDED RANGE WITH 12 WATTS OF RF POWER.

DTMF KEYPAD

SENDS STANDARD DUAL TONE MULTIFREQUENCY SIGNALING MANUALLY OR THROUGH AUTOMATIC NUMBER IDENTIFICATION, ANI.



THE LEAD SELECTOR SWITCH ALLOWS ECG TRANSMISSION FOR LEAD I, II AND LEAD III. WHEN SWITCHED TO LEAD CHECK, THE SYSTEM WILL CHECK THE INTEGRITY OF THE ELECTRODE CONNECTION TO THE PATIENT. THE APPROPRIATE LED LAMP WILL FLASH, INDICATING A FAULTY RA, LA, LL CONNECTION.

ECG-CALA 1 mV SQUARE WAVE IS INJECTED INTO THE ECG AMPLIFIER TO CALIBRATE THE HOSPITAL EQUIPMENT PRIOR TO AN ECG TRANSMISSION.



ACOUSTIC TELEPHONE COUPLER

IN THE EVENT OF TOTAL LOSS OF RF COVERAGE, THE COUPLER CAN BE USED TO COUPLE THE RADIO AUDIO TO A LOCAL TELEPHONE FOR FULL DUPLEX TRANSMISSION OF VOICE AND ECG. WHEN THE COUPLER IS USED, THE RADIO TRANSMITTER AND RECEIVER ARE DISABLED.



BATTERY CHARGER

THE MCI MODEL 3552 AC LINE RAPID CHARGER IS DESIGNED TO FULLY CHARGE THE POWER PACK IN LESS THAN 30 MINUTES. IT WILL AUTOMATICALLY SWITCH TO A TRICKLE 12 WATTS. WHEN THE VOLTAGE CHARGE RATE ONCE THE BATTERY IS COMPLETELY CHARGED. HOT BATTERY PROTECTION IS ALSO BUILT INTO THE SYSTEM. AN OPTIONAL 12 VOLTS DC VEHICULAR CHARGER IS ALSO AVAILABLE.

BATTERY PACK

THE POWER PACK IS DESIGNED TO PROVIDE THE USER WITH MORE THAN 80 MINUTES OF UNINTERRUPTED RF TRANSMISSION AT DROPS TO A CERTAIN PRESET LEVEL, THE POWER LAMP WILL FLASH INDICATING THAT THE BATTERY IS READY FOR A RECHARGE, AND GIVING THE USER AN EXTRA 10 MINUTES OF TRANSMISSION TIME.

OCOM., dba



MEDICAL COMMUNICATIONS AND INSTRUMENTATION



DESCRIPTION

THE MODEL 5000 MEDICAL
COMMUNICATIONS AND TELEMETRY
CONSOLE PROVIDES THE USER WITH ALL
THE FUNCTIONS NECESSARY TO OPERATE
A BASE STATION HOSPITAL.

- PROVIDES CONTROL OF UP TO FOUR CTCSS FOUR FREQUENCY TONE CONTROLLED BASE STATIONS.
- 2 TELEMETRY DEMODULATOR
 DEMODULATES INCOMING EKG
 SIGNALS FROM THE RADIO OR
 PHONE LINES. ALSO PROVIDES
 VARIOUS FILTERS TO ELIMINATE
 UNWANTED NOISE ARTIFACTS AS
 WELL AS QRS INVERSION AND
 AUTOMATIC GAIN CONTROL FOR
 EKG WAVEFORMS.
- 3 DISPLAY OF EKG WAVEFORMS

EIGHT SECONDS OF EKG WAVE-FORMS ARE DISPLAYED ON TWO CHANNEL DIGITAL STORAGE SCOPE WITH FREEZE CAPABILITY. ALL INFORMATION IS ALSO PERMANENT-LY RECORDED ON A TWO SPEED STRIP CHART RECORDER WHILE A DIGITAL PANEL METER DISPLAYS HEART RATE. IC I

G IS

4 CASSETTE RECORDING
2-WAY VOICE COMMUNICATION
AND EKG TELEMETRY ARE RECORDED ON A RUGGED VOICE
OPERATING CASSETTE RECORDER.

PROVISIONS ARE ALSO MADE FOR REVIEWING TAPES FOR INSTRUCTIONAL PURPOSES.



BIOCOM., dba

MEDICAL COMMUNICATIONS
AND INSTRUMENTATION