



SPARTA ELECTRONIC CORPORATION

5851 FLORIN-PERKINS ROAD / SACRAMENTO, CALIFORNIA 95828
A Division of Computer Equipment Corporation

Sparta, the 'just right' company. Small enough to be first name friends . . . big enough to supply EVERYTHING.



More detailed information is available on request in individual Product Guides, Catalog and Price Schedule.

QUICK REFERENCE PRODUCT BROCHURE

Space limits this brochure to views and descriptions of only a part of the Sparta broadcast equipment line. More detailed information is available in individual Product Guides, Catalog and Price Schedule.



SHOWCASE SERIES CABINETRY

The efficiency and appearance of your existing studio arrangement can be greatly enhanced by one or more individual "Showcase" cabinets. A rich, quality studio look without custom cost can also be yours; several "Showcase" groups, including equipment, are offered by SPARTA at special package prices. The modular concept gives mix-or-match versatility from among the wide selection of cabinet pieces to create THE audio control center to fit nearly any requirement. In the "Showcase" selection, fine furniture craftsmanship has been combined with long lasting, easy-maintenance durability.

CENTURION SERIES CONSOLES

The new CENTURION has features not previously available in a broadcast audio console. Each mixer is a self-contained plug in module, internally selectable for high or low level inputs. In 12-channel configuration, 36 inputs are available. The stereo CENTURION II is capable of quadrasonic broadcast. CENTURION I designates monaural model. Operation is free of mechanical or electrical noise, and virtually free of cable harnesses due to extensive use of mother-boards and ground-plane p.c. techniques. Dual power supply is standard. Options include slide or rotary attenuators, reverberation and equalization controls, plus a 6-mixer/18-input matching extender.



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8-CHANNEL CONSOLES

MODEL AS-40B. Crystal clarity, trouble free performance and VALUE are yours in stereo broadcasting with the new AS-40B. Incorporating the latest state-of-the-art design, it is built for reliability you can depend on! It's big enough to handle ANY stereo broadcasting assignment, at a price far less than you might expect.

MODEL A-40B. Crystal clarity, trouble free performance and VALUE are yours in stereo broadcasting with the new AS-40B. Incorporating the latest state-of-the-art design, it is built for reliability you can depend on! It's big enough to handle ANY stereo broadcasting assignment, at a price far less than you might expect.

5-CHANNEL CONSOLES

MODEL A-15B. Select five audio inputs at a time from the 14-source capability of this modestly priced professional quality console. Outstanding features include all-channel cue system, monitor amplifier, and muting relays.

MODEL AS-30B. Accommodates nine stereo sources with identical line amplifiers in both program and audition outputs, allowing different stereo programming to be controlled at the same time. Stereo mixing versatility unmatched by any other in its class.



DUAL CHANNEL MONAURAL CONSOLE



MODEL A-16R. This mixer, compact enough to fit neatly into video consoles, easily handles audio requirements from several studios simultaneously. Its dual channel output even gives identical crystal clear handling to different programming at one time. In its standard rack mount, or handsome optional custom cabinet, the A-16R's fifteen-input capability with push-button control gives fast and flexible handling for TV, CCTV and CATV audio. A wise investment at its modest price.



STUDIO CONTROL & REMOTE UNITS

MODEL AC-155B. A versatile monaural audio control center that combines maximum operational flexibility with professional quality in any location. A semi-permanent installation can become mobile at a moment's notice and enable you to cover more assignments and to produce added station revenue.

MODEL ASC-305B. A full-facility stereo audio control center that is tailor-made for production room chores, main control, or remote broadcast assignments. The equipment cabinet is of exceptionally fine construction and distinctive design with a very rugged and durable bonded plastic laminate finish. Accessories include a protective bench/lid, top-mounted utility shelf and professional dynamic microphone with special goose-neck mounting.

REMOTE BROADCAST MIXER AND LINE AMPLIFIER

MODEL RA-4. The neatest and most solid 4-channel remote mixer on the market. Its four channels accept microphone or line level inputs, and each has headphone-monitored cue. Two RA-4 units can be connected in series for double duty. Full-capacity console, operating AC or from self-contained batteries.

MODEL RA-1. This inexpensive little line or utility microphone remote amplifier features a fully integrated circuit design! Current drain is extremely low for a lifetime of dependable, trouble-free operation in your many general purpose applications.

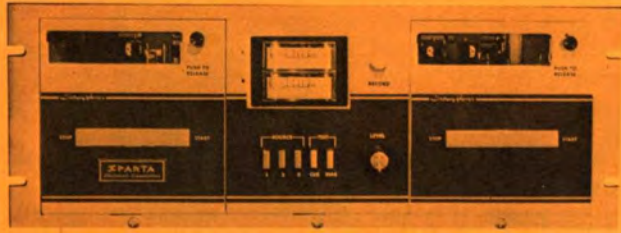


TURNTABLE SYSTEMS



MODEL GT-12 CUSTOM. The distinctive orange "power paddle" of the two-speed GT-12 enables the operator to cue records with one hand more conveniently than ever before. Operator convenience is emphasized throughout; speed indicators stay lit until the turntable is shifted to neutral, change record types with no adaptor or moving parts, and change speeds with minimal movement. Complete systems from SPARTA include floor cabinets, tone arms, pickup cartridges, and equalized mono or stereo preamps.

MODEL ST-220 TONEARM. A top-quality 12-inch tonearm which at a glance tells you it's PROFESSIONAL. Light alloy construction, with every adjustment necessary to insure maximum mono or stereo performance.



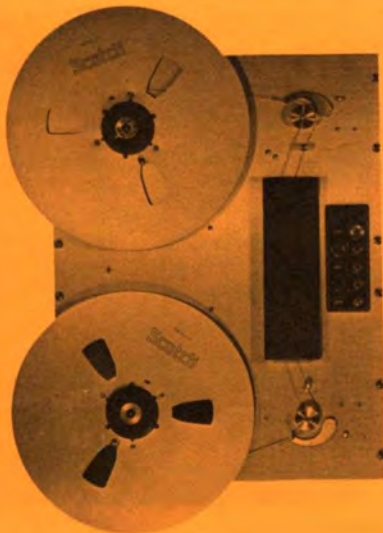
CENTURY SERIES

TAPE CARTRIDGE SYSTEMS

Playback and record modules, in this unique and innovative system, are of identical size – allowing the great number of mounting configurations shown here, plus as many others as your station's needs and ingenuity can find. The rack mount housing accepts three modules and takes only SEVEN inches of rack space. In every case, space occupied by a playback module in these pictures can be occupied by a record amplifier module.

Audio switching is built-in, allowing absolutely "popless" starts, and several playback modules to be connected to a single mixer channel without separate isolation equipment. The record amplifier module provides selection of THREE high-level audio inputs. Its meter monitors recording level, cue tone, or bias.

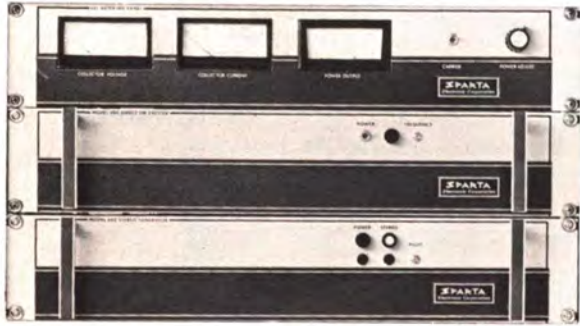
Size and cost of the CENTURY SERIES systems have been reduced through SPARTA'S use of the very latest engineering techniques, with resulting unrivaled flexibility and reliability.



REEL/REEL EQUIPMENT

- The Sparta CORINTHIAN reproducer provides up to 16" reel capacity for long periods of unattended Spartamation operation, with foil reversing to insure maximum use of tapes. Capstan is direct drive, amplifiers are plug in, transport construction is easily accessible and front panel level control is provided. Two mono and two stereo playback head configurations are available.
- Other makes and models of reel/reel equipment can be supplied to suit every purpose.

LOW POWER FM TRANSMITTERS



MODEL 680	Direct FM Exciter
MODEL 680/1	10 Watts
MODEL 682	Stereo Generator
MODEL 683	SCA Generator
MODEL 600A	250 Watts

- The Model 680 Direct FM Exciter, which is the heart of every Sparta FM Transmitter, is so simple and foolproof that Sparta reasonably claims that NO field adjustment is EVER needed. Its features include Strip Line RF Circuitry, Automatic Carrier Balance, Digital AFC Frequency Control Circuit (no oven needed) and others. The 680 will retrofit into any type accepted FM transmitter and respond with factory guaranteed specifications.
- The Model 680/1 with full meter panel accommodates low-power educational broadcasting assignments.
- Complementary units for the Model 680 and 680/1 are the 682 Stereo and 683 SCA Generators.
- The Model 600A produces a top quality FM signal using the Model 680 Exciter. For low power or standby use, the simple, small 600A is unmatched in value. Only 4.5' high, weighing 350 pounds, it is fully capable of stereo and SCA operation.

MEDIUM POWER FM TRANSMITTERS

MODEL 601A	500/1500 Watts
MODEL 602A . . .	1000/2500 Watts
MODEL 605A . . .	3000/5200 Watts

- Sparta covers the medium power FM range using the economical 5CX1500A pentode (two in the 605A). Uncluttered layout and straightforward design, with

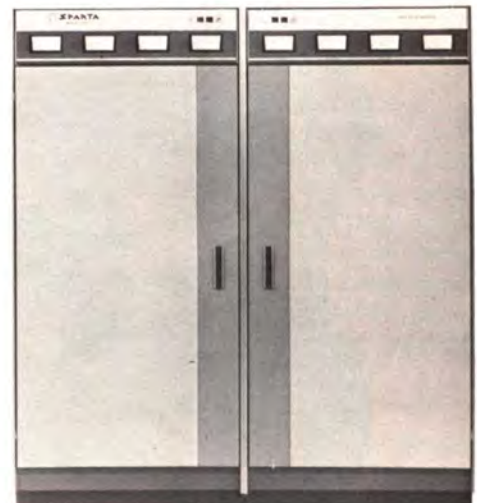


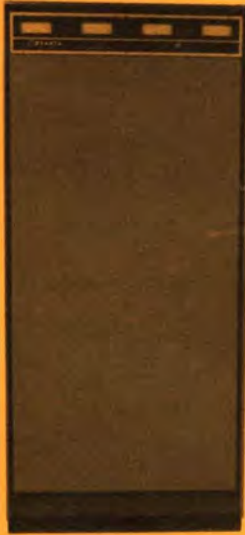
swingout front panel for easy access are features of all of these models. The Tally-Light overload indicator system will be found in these units, along with the new Model 680 Exciter. For top stereo operation, the companion 682 Stereo Generator is available.

HIGH POWER FM TRANSMITTERS

MODEL 610A	10000 Watts
MODEL 625A	25000 Watts
MODEL 650A	30000/50000 Watts

- Grounded grid final, Tally-Light fault locator, Automatic Power Control, and a built-in VSWR protection system are common features in the Sparta high power line. Outwardly they look the same; inside you find a 3CX10,000A7 in the 610A and the 3CX15,000A7 in the 625A. Two of the 625A type operating into a combiner make up the dual, redundant Model 650A . . . the optimal way of reaching super power. All use the new Model 680 Exciter. Stereo is optional with the 682 Stereo Generator.





LOW POWER AM TRANSMITTERS

MODEL 701B 1000 Watts

● There is room here for only a partial list of the many quality features of the Sparta Model 701B 1 kw AM Transmitter: 125% positive modulation capability, built-in dummy load, uses low cost 4-500 tubes, and has Sparta Tally-Light fault locator system. The 701B, solid state up to the finals, is built in 1000/500, 1000/250, and 500/250 Watt configurations. The 1 kw AM radio station will see in the 701B so many concentrated state-of-the-art advances that its performance will satisfy the most discriminating engineer for many years.

HIGH POWER AM TRANSMITTERS

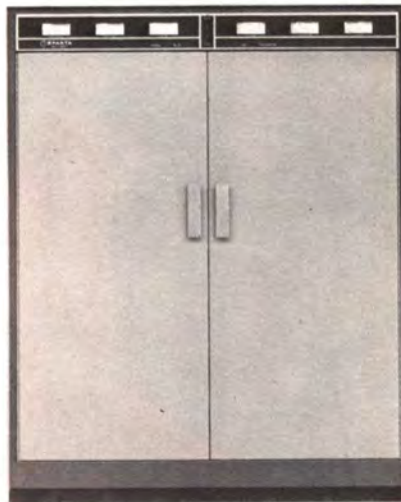
MODEL 705 5000 Watts

MODEL 710 10000 Watts

MODEL 715 15000 Watts

MODEL 725 25000 Watts

● These models employ a basic design which is up to date with every engineering advance. The saving in re-engineering for each power makes the Sparta high power AM transmitter price tag a very attractive one. The line relies on simple and straightforward circuitry, while using every development that is truly useful. Full metering, oil filled modulation transformer, and the Tally-Light fault locator system are among



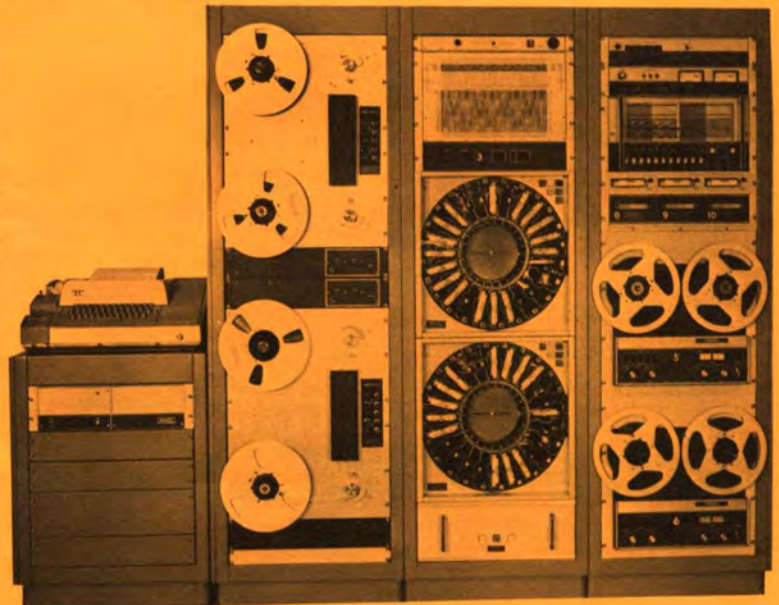
features in the line.

● The Models 705, 710 and 715 are nearly identical in appearance; the 715 power supply is mounted externally. Internally the differences are mainly in high voltage power supplies and modulation components.

● The Model 725 consists of two Model 715's operating at 12.5 kw each into the exclusive Sparta Ferrite Combiner. The combiner, reject and test loads, and control panel are all mounted in a matching cabinet which is usually placed between the transmitter cabinets.

SPARTAMATION SYSTEMS & DEVICES

SPARTA-MATION systems offer more realistic value than any other, and are available on attractive financing programs. They have been developed by people with years of successful broadcasting experience. Stations throughout the world are improving their programming and increasing their profits with reliable, modern SPARTA-MATION. Any number of different programming formats can be accommodated, and your system can include automatic network joining, program logging and remote control. SPARTA-MATION devices can be used with, and will interface with, almost any system.



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TAPE CARTRIDGES AND ACCESSORIES



NEW!

THE

SPARTA

BROADCAST PREMIUM

**FOR TOP
QUALITY AND
RELIABILITY IN
PERFORMANCE**

The Sparta Premium tape cartridge is designed specifically to meet the broadcasters' demand for high-use cartridges capable of faithfully reproducing the finest music.

Materials used throughout the Premium have been selected for high temperature-humidity-impact resistance. The Premium never needs lubrication; all bearing surfaces are of dissimilar low friction materials for utmost quiet and smoothness. Pressure pads are of "constant force" foam so variations among playbacks do not cause appreciable performance differences. The tape guide is molded as part of the cartridge base itself; nothing can shift the azimuth, or cause tape edge wear. The reel flange and patented "double vee" hub are of super smooth, stable, high temperature plastic; tape loop movement is accomplished with incredibly low wow and flutter. An extra front snap, molded into the case, assures warp free contact between cover and base, with little chance of high frequency loss due to azimuth change. A simple, effective tape brake with positive clamp action holds the cue securely even if the cartridge might be dropped between plays. Available only in NAB "A" size, to 10:30 length.

LENGTH	PREMIUM		STANDARD		RELOADS	
	Part No.	Price	Part No.	Price	Part No.	Price
Empty	118-0004	1.60	118-0001	1.50	—	—
:20	118-0004-02	1.90	118-0100	1.80	119-0100	.95
:40	118-0004-03	2.00	118-0102	1.90	119-0102	1.00
:70	118-0004-04	2.05	118-0104	1.95	119-0104	1.10
1:30	118-0004-05	2.10	118-0106	2.00	119-0106	1.15
1:40	118-0004-06	2.15	118-0108	2.05	119-0108	1.20
2:30	118-0004-07	2.25	118-0110	2.15	119-0110	1.35
3:30	118-0004-08	2.40	118-0114	2.30	119-0114	1.50
5:30	118-0004-09	2.70	118-0118	2.60	119-0118	1.85
7:30	118-0004-10	3.05	118-0025	2.95	119-0025	2.15
8:30	118-0004-11	3.25	118-0022	3.15	119-0022	2.30
10:30	118-0004-12	3.60	118-0122	3.50	119-0122	2.60
Empty M600	—	—	118-0003	2.50	—	—
16:00 M600	—	—	118-0200	6.10	119-0200	4.50
Empty M1200	—	—	118-0005	3.90	—	—
31:00 M1200	—	—	118-0300	9.40	119-0300	7.50

... IN ADDITION TO THE MOST POPULAR
TAPE CARTRIDGE EVER SOLD, THE

SPARTA

BROADCAST STANDARD

The Sparta Standard is used in more U.S. radio stations than any other tape cartridge ever used anywhere. It differs extensively from the Premium in construction details, but its performance places it squarely in the lead of other cartridges in its class and price. In addition, the Standard is available in 16:00 and 31:00 lengths.

The initial economy of the Sparta Standard is a bonus value for today's quality conscious broadcaster.



SPARTA

ELECTRONIC CORPORATION

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RECONDITIONING, RELOADING & MISCELLANEOUS

Factory trained specialists inspect, clean, repair, reload and triple-test your tape cartridges to highly exacting specifications. Fatigued or malfunctioning parts are replaced as necessary; reload prices (over) include minor parts replacement, major parts will be replaced at Sparta's discretion after inspection.

Every cartridge returned to you after Sparta service LOOKS AND OPERATES LIKE NEW.

For the station wishing to reload its own cartridges:

1800' Lubed Magnetic Tape
P/N 118-0600 \$4.95

3600' Lubed Magnetic Tape
P/N 118-0601 \$9.75

KUM KLEEN LABELS. Sparta's 'Kum Kleen' labels are cleaner than earlier types . . . sheets (of twelve labels each) measure 2½x9" for convenience . . . paper stock takes any writing instrument. 'Kum Kleen' labels are only offered in lot quantities shown.

Lot of ten Kum Kleen sheets
Lot of thirty Kum Kleen sheets
Lot of fifty Kum Kleen sheets

Part No. 118-0507 \$1.95
Part No. 118-0507-02 \$4.75
Part No. 118-0507-03 \$5.50

CL-1 TEST TAPE CARTRIDGE. 1 KHz standard reference level on Premium cartridge.
Part No. 118-0011 \$5.50

CL-2 TEST TAPE CARTRIDGE. 1 KHz at -10 db on Premium Cartridge.
Part No. 118-0013 \$5.50

AL-1 TEST TAPE CARTRIDGE. Full track 12 KHz for precise head alignment test.
Part No. 118-0009 \$7.50

AG-2 HEAD ALIGNMENT GAUGE. The quick, easy and exact way to adjust tape cartridge heads on any equipment. Prismatic optical device, fits pocket!
Part No. 012-0513 \$8.50

NAB-3 TEST TAPE CARTRIDGE. NAB-approved continuous Monaural Frequency Response.
Part No. 118-0008 \$18.00

Part No. 001-4325



\$60.00

CE-3 CARTRIDGE AND REEL TAPE ERASER. Our own super heavy duty professional eraser for cassettes, carts, and reels up to 10½". Note service light to warn if power remains 'on' for any reason. Thousand watts of current, 90 to 135 volts AC, 50 or 60 Hz. Case is plastic, with epoxy-sealed construction. Reel center pin is removable, and case bottom is protected with no-scratch rubber pad. Three-wire grounding plug available as option; add \$3.00 to price.



CR-100



CR-80



CR-120



MR-200

WALL, REVOLVING STAND, AND ROLL-AROUND CARTRIDGE RACKS

CR-100 WALL MOUNT CARTRIDGE RACK. Built for lasting beauty in our "Showcase" walnut finish. One hundred NAB "A" cartridges capacity; 25" wide, 27½" high, 5" deep.
Part No. 001-3150 \$75.00

CR-80 REVOLVING CARTRIDGE RACK. Popular 'lazy susan' for eighty NAB "A" carts in 14" turning radius! Twenty-nine inches high, in Sparta "Showcase"-matching walnut plastic laminate. Ball bearings.
Part No. 001-3130 \$75.00

CR-120 REVOLVING CARTRIDGE RACK. Generous cart capacity in 18" turning radius. Same height as

CR-80, and same "Showcase" finish as other cart racks and Sparta control room furniture.
Part No. 001-3140 \$90.00

MR200 "FLOOR FLEX" REVOLVING RACK. As a roll-around 'lazy susan' this 200-cart storage unit adjusts through ten inches of height. Price includes eight WR 25 modules.
Part No. 888-0210 \$136.00

WR25 CARTRIDGE STORAGE MODULE. Chromed heavy duty steel wire rack holds 25 NAB "A" carts, to hang on wall or transfer to the MR200 'Floor Flex' above.
Extra WR25 alone
Part No. 888-0210-02 \$12.50



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TURNTABLES AND ACCESSORIES

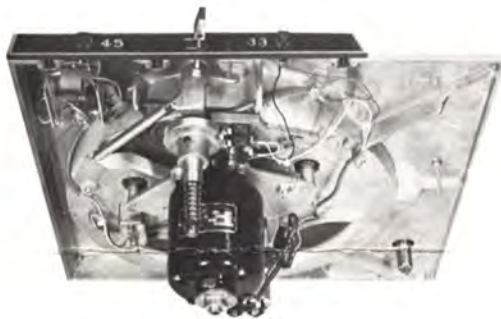


Now, the Custom GT-12 — a professional turntable that's much faster *in two ways*. Its jet speed acceleration gives you top speed immediately. And, its extra large power-paddle with spring-loaded action, gives you quicker and easier start/cue convenience.

Dependability and ruggedness are foremost — from the thick cast metal control facing and one piece cast frame to the heavy platter and beefy hysteresis synchronous motor.

GT appointments couple beauty with convenience. From the special sure-grip felt to the handy speed reminder lights, you'll find the GT your best buy in a high performance turntable.

GT-12 CUSTOM TURNTABLE



- Rugged one-piece cast aluminum ribbed frame
- 3 vibration isolators and neoprene idler wheel
- Plays 45's without an adapter
- Heavy duty hysteresis synchronous motor (4-pole motor also available)

BASE.....	16" wide, 15½" deep
BOTTOM CLEARANCE.....	5½" w/4-pole motor; 6½" w/synchronous motor
TOP CLEARANCE.....	2" (without tone arm)
PLATTER SIZE.....	12"
ACCELERATION.....	Less than 1/16th turn @ 33½ RPM Less than 1/10th turn @ 45 RPM
RUMBLE.....	45 db @ 33½ RPM 40 db @ 45 RPM
WOW & FLUTTER.....	0.1% @ 33½ RPM
MOTOR.....	<i>Hysteresis synchronous: GT-12-SY</i> 4-pole: GT-12-4P
POWER.....	115 volt 60 cps (50 Hz available)
CONSTRUCTION.....	<i>Chassis: One piece cast aluminum alloy</i> <i>Platter: Machined aluminum alloy</i>
FINISH.....	<i>Base: Light smoke gray baked enamel, orange peel texture</i> <i>Platter: Burnt orange felt</i> <i>Front control: Brushed aluminum</i> Other base & felt colors available on special order
SHIPPING WEIGHT.....	27 lbs.

ST-220 STEREO TONEARM



The ST-220 Tonearm from SPARTA gives you either monaural or stereo operation, use of any cartridge and stylus of your choice, and a full range of adjustment including lateral balance. With the ST-220 you realize the full potential of your cartridge and every record.

TEP-3S (STEREO) & TEP-3M (MONO) TURNTABLE PREAMPLIFIERS

These are high quality professional preamplifiers equalized for the RIAA standard curve. They are designed for use with all modern hi-Z cartridges with added gain for the newer low output cartridges without compromising any other performance feature.

The basic design features integrated-circuit preamplifiers which have extremely high open-loop gain (typ. 20,000). This allows the operating gain and equalization to depend solely on the characteristics of simple passive components for long-term stability and reliability.

FREQ. RESPONSE.....	RIAA (NAB) within typical ± 0.5 db (± 1 db max)
OUTPUT LEVEL, PROGRAM.....	\emptyset dbm into 600 ohms balanced, adjustable to below -20 dbm
OUTPUT LEVEL, MAX.....	10 dbm
DISTORTION.....	Less than .5% (.15% typical) THD
INPUT IMPEDANCE.....	47K ohms
SENSITIVITY.....	5 millivolts for \emptyset dbm output at 1 kHz
NOISE.....	70 db below Program Level. More than 80 db below max. output.
HUM.....	Inaudible (Below noise)
SEPARATION.....	<i>Stereo: 70 db typical (65 db min.)</i>
SIZE.....	4½" high, 2½" wide, 6½" deep.
WEIGHT.....	1 lb. 6 oz.
POWER.....	115 to 130 VAC, 50-60 Hz., 0.25A
MOUNTING.....	Rubber feet plus two single-hole "Z" clamps

