

GS OOS 83872
Professional
Magnetic Tape Recorders

AMPEX

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Authorized Federal Supply Schedule Price List

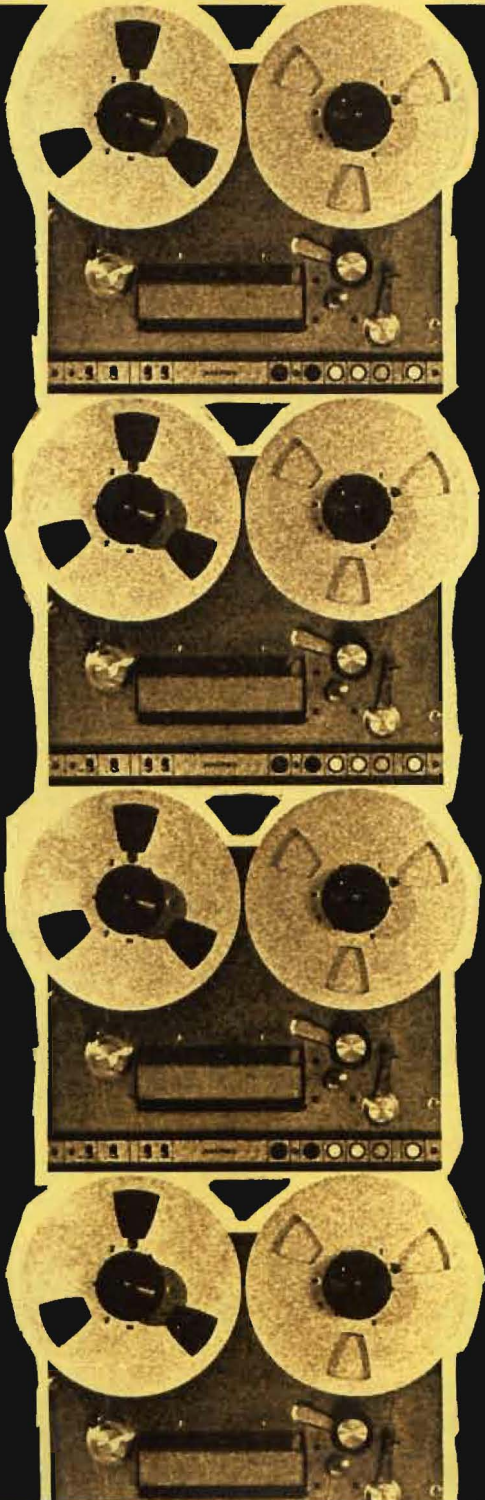
FSC Group 58, Part III, B
Communication Equipment
Items Number 136-9, 136-11, 136-21

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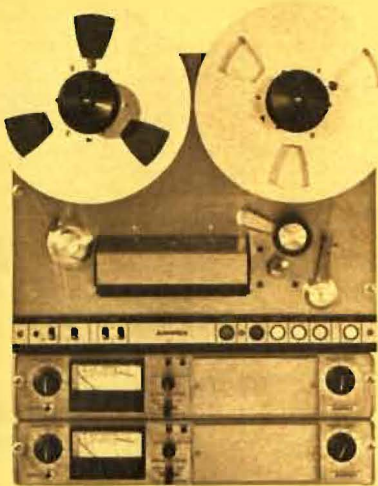
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AG-440B SERIES RECORDERS/REPRODUCERS

RECEIVED



Model	Speeds IPS NAB	Heads (Tracks)	Mounting	Order by Catalog Number	Prof. User Price	Government Discount (%)	Price
SINGLE CHANNEL—1/4" Tape Width							
60 Hz							
AG-440B-1 Recorder/Reproducer	7 1/2-15	FULL	Unmounted	4010131-01	\$2,099.00	18	\$1721.18
			Console	4010131-03	2,499.00	18/20*	2049.18/1999.20
			Portable	4010131-05	2,299.00	18	1885.18
		HALF	Unmounted	4010131-07	2,099.00	18	1721.18
			Console	4010131-09	2,499.00	18/20*	2049.18/1999.20
			Portable	4010131-11	2,299.00	18	1885.18
	3 3/4-7 1/2	FULL	Unmounted	4010131-13	2,099.00	18	1721.18
			Console	4010131-15	2,499.00	18/20*	2049.18/1999.20
			Portable	4010131-17	2,299.00	18	1885.18
		HALF	Unmounted	4010131-19	2,099.00	18	1721.18
			Console	4010131-21	2,499.00	18/20*	2049.18/1999.20
			Portable	4010131-23	2,299.00	18	1885.18
TWO CHANNEL—1/4" Tape Width							
AG-440B-2 Recorder/Reproducer	7 1/2-15	TWO	Unmounted	4010132-01	2,799.00	18/20*	2295.18/2239.20
			Console	4010132-03	3,229.00	20	2583.20
			Portable	4010132-05	2,999.00	18	2459.18
		TWO Plus Qtr. Track P.B.	Unmounted	4010132-13	2,849.00	18/20*	2336.18/2279.20
			Console	4010132-15	3,279.00	20	2623.20
			Portable	4010132-17	3,049.00	18	2500.18
	3 3/4-7 1/2	TWO	Unmounted	4010132-07	2,799.00	18/20*	2295.18/2239.20
			Console	4010132-09	3,229.00	20	2583.20
			Portable	4010132-11	2,999.00	18	2459.18
		TWO Plus Qtr. Track P.B.	Unmounted	4010132-19	2,849.00	18/20*	2336.18/2279.20
			Console	4010132-21	3,279.00	20	2623.20
			Portable	4010132-23	3,049.00	18	2500.18
FOUR CHANNEL—1/4" Tape Width							
AG-440B-4 Recorder/Reproducer	7 1/2-15	FOUR	Unmounted Console Portable	4010134-01 4010134-03 4010134-05	4,399.00 4,859.00 4,599.00	18 18 18	3607.18 3984.38 3771.18
EIGHT CHANNEL—1" Tape Width							
AG-440-8 Recorder/Reproducer	7 1/2-15	EIGHT	Console Only	4010138-01	12,500.00	18	10250.00



SINGLE CHANNEL—1/4" Tape Width							
50 Hz							
AG-440B-1 Recorder/Reproducer	7 1/2-15	FULL	Unmounted	4010131-02	\$2,099.00	13	\$1826.13
			Console	4010131-04	2,499.00	18	2049.18
			Portable	4010131-06	2,299.00	13	2000.13
		HALF	Unmounted	4010131-08	2,099.00	13	1826.13
			Console	4010131-10	2,499.00	18/20*	2049.18/1999.20
			Portable	4010131-12	2,299.00	13	2000.13
	3 3/4-7 1/2	FULL	Unmounted	4010131-14	2,099.00	13	1826.13
			Console	4010131-16	2,499.00	18	2049.18
			Portable	4010131-18	2,299.00	13	2000.13
		HALF	Unmounted	4010131-20	2,099.00	13	1826.13
			Console	4010131-22	2,499.00	18	2049.18
			Portable	4010131-24	2,299.00	13	2000.13
TWO CHANNEL—1/4" Tape Width							
AG-440B-2 Recorder/Reproducer	7 1/2-15	TWO	Unmounted	4010132-02	2,799.00	18	2295.18
			Console	4010132-04	3,229.00	18/20*	2647.78/2583.20
			Portable	4010132-06	2,999.00	13	2609.13
		TWO Plus Qtr. Track P.B.	Unmounted	4010132-14	2,849.00	18	2336.18
			Console	4010132-16	3,279.00	18/20*	2688.78/2623.20
			Portable	4010132-18	3,049.00	13	2652.63
	3 3/4-7 1/2	TWO	Unmounted	4010132-08	2,799.00	18	2295.18
			Console	4010132-10	3,229.00	18/20*	2647.78/2583.20
			Portable	4010132-12	2,999.00	13	2609.13
		TWO Plus Qtr. Track P.B.	Unmounted	4010132-20	2,849.00	18	2336.18
			Console	4010132-22	3,279.00	18/20*	2688.78/2623.20
			Portable	4010132-24	3,049.00	13	2652.63
FOUR CHANNEL—1/4" Tape Width							
AG-440B-4 Recorder/Reproducer	7 1/2-15	FOUR	Unmounted Console Portable	4010134-02 4010134-04 4010134-06	4,399.00 4,859.00 4,599.00	13 13 13	3827.18 4227.33 4001.13
EIGHT CHANNEL—1" Tape Width							
AG-440-8 Recorder/Reproducer	7 1/2-15	EIGHT	Console Only	4010138-02	12,500.00	18	10250.00

See Components on pages 4 and 5;
Accessories on page 10.

*1 to 5: 18%, 6 or more: 20%.

AG-600 SERIES RECORDERS/REPRODUCERS

Model	Equalization	Heads (Tracks)	Mounting	Order by Catalog No.	Professional User Price	Government Discount %	Price
AG-600-1 SINGLE CHANNEL				60 Hz 117 Volt			
AG-600-1 One Channel Full or Half Track	NAB	FULL	Unmounted	4010063-01	\$ 660.00	18	\$ 541.20
			Portable	4010063-02	720.00	18	590.40
		HALF	Unmounted	4010063-03	660.00	18	541.20
			Portable	4010063-04	720.00	18	590.40
AG-600-2 TWO CHANNEL							
AG-600-2 Two Channel Two Track (½ Track Stereo)	NAB	TWO	Unmounted	4010064-01	915.00	18	750.30
			Portable	4010064-02	1010.00	18	828.20
AG-600-4 TWO CHANNEL							
AG-600-4 Two Channel Four Track (¼ Track Stereo)	NAB	FOUR (Tracks 1&3)	Unmounted	4010064-03	915.00	18	750.30
			Portable	4010064-04	1010.00	18	828.20
AG-600-1 SINGLE CHANNEL				50 Hz 115/230 Volt			
AG-600-1 One Channel Full or Half Track	NAB	FULL	Unmounted	4010063-05	660.00	13	574.20
			Portable	4010063-06	720.00	13	626.40
		HALF	Unmounted	4010063-07	660.00	13	574.20
			Portable	4010063-08	720.00	13	626.40
	CCIR	FULL	Unmounted	4010063-09	660.00	13	574.20
			Portable	4010063-10	720.00	13	626.40
		HALF	Unmounted	4010063-11	660.00	13	574.20
			Portable	4010063-12	720.00	13	626.40
AG-600-2 TWO CHANNEL							
AG-600-2 Two Channel Two Track (½ Track Stereo)	NAB	TWO	Unmounted	4010064-05	915.00	13	796.05
			Portable	4010064-06	1010.00	13	878.70
	CCIR	TWO	Unmounted	4010064-09	915.00	13	796.05
			Portable	4010064-10	1010.00	13	878.70
AG-600-4 TWO CHANNEL							
AG-600-4 Two Channel Four Track (¼ Track Stereo)	NAB	FOUR (Tracks 1&3)	Unmounted	4010064-07	915.00	13	796.05
			Portable	4010064-08	1010.00	13	878.70
	CCIR	FOUR (Tracks 1&3)	Unmounted	4010064-11	915.00	13	796.05
			Portable	4010064-12	1010.00	13	878.70



SPECIFICATIONS

FREQUENCY RESPONSE:

7½ ips	3½ ips
+2 dB from 60 Hz to 10 kHz	+2 dB from 50 Hz to 7 kHz
+2-4 dB from 40 Hz to 15 kHz	+2-4 dB from 40 Hz to 8 kHz

SIGNAL-TO-NOISE:

7½ ips	3½ ips
Full track 57 dB	Full track 52 dB
Half track 55 dB	Half track 50 dB

CROSSTALK REJECTION: Better than 40 dB mid-frequency.

FLUTTER AND WOW: (Measured by ASA Standards)

7½ ips less than 0.17%
3½ ips less than 0.25%

TIMING ACCURACY:

7½ ips ±0.2% (±3.6 seconds in a 30-minute recording)
3½ ips ±0.4% (±7.2 seconds in a 30-minute recording)

FAST FORWARD OR REWIND TIME: 90 seconds for full 1200-foot reel.

SPEEDS: Dual speed, 3½ and 7½ ips.

REEL SIZE: 5" and 7" (Ampex 600 Series Tape recommended for best results)

INPUTS: Two inputs with individual gain control on each.

1. Low impedance mike input, 150 microvolts required for program record level, 30 to 250 ohm nominal impedance.
2. Line input (100 k unbalanced), -10 dBm required for program record level. (May be used as microphone input with accessory plug-in microphone preamplifier.)

OUTPUTS: Two outputs for each channel.

1. +4 dBm into 600 ohm, balanced or unbalanced load.
2. Headphone monitor jack (on front panel). Monitor selector permits monitoring either input source or tape playback, with recording.

EQUALIZATION: For 117 volt, 60 Hz models: 3½ ips, 120 microsecond; 7½ ips, NAB. For 115/230 volt, 50 Hz models: 3½ ips, 120 or 200 microsecond; 7½ ips, NAB or CCIR.

POWER REQUIREMENTS:

For 117 volt operation 0.5 amperes
For 230 volt operation 0.3 amperes

SIZE AND WEIGHT: (In portable case)

Single channel: 28 lbs., -14½" H x 13" W x 8½" D.
Dual channel: 42 lbs., -19½" H x 13" W x 8½" D.

See Components on page 7; Accessories on page 10.

AG-600 COMPONENTS

Description	Order by Catalog Number	Professional User Price	Government Discount	
			%	Price
HEAD ASSEMBLIES FOR AG-600 SERIES, ¼ INCH				
Full Track	4020191-01	\$115.00	18	\$ 94.30
Half Track	4020191-02	115.00	18	94.30
Two Track, ½ Track Stereo	4020192-01	138.00	18	113.16
Four Track, ¼ Track Stereo, Tracks 1 and 3	4020194-01	138.00	18	113.16
HEAD STACKS (Two Track Stacks same as Half Track)				
Full Track Erase	1232357-01	37.00	18	30.34
Full Track Record	1232358-01	37.00	18	30.34
Full Track Reproduce	1232359-01	37.00	18	30.34
Half Track Erase	1232360-01	48.00	18	39.36
Half Track Record	1232361-01	48.00	18	39.36
Half Track Reproduce	1232362-01	48.00	18	39.36
¼ Track Erase	1232363-03	48.00	18	39.36
¼ Track Record	1232363-02	48.00	18	39.36
¼ Track Reproduce	1232363-01	48.00	18	39.36
TRANSPORTS				
Tape Transport, 3¼–7½ IPS, 60 Hz*	4020187-01	365.00	18	299.30
Tape Transport, 3¼–7½ IPS, 50 Hz*	4020187-02	365.00	18	299.30
ELECTRONICS ASSEMBLIES (3¼–7½ IPS)				
Master Electronics, NAB, 117 Volt	4020257-01	295.00	18	241.90
Slave Electronics, NAB*	4020257-02	278.00	18	227.96
Master Electronics, NAB, 115/230 Volt	4020257-03	320.00	18	226.40
Master Electronics, CCIR, 115/230 Volt	4020257-06	320.00	18	226.40
Slave Electronics, CCIR*	4020257-05	278.00	18	227.96
Interconnecting Cable, for Two Channel Recorders	4050098-01	20.00	18	16.40
*Note: Transports and Slave Electronics operate on the same line voltage as the Master Electronics to which they are coupled.				
See Accessories on page 10.				

AG-500 SERIES RECORDERS/REPRODUCERS

Model	Volts and Hertz	Speed & Equalization	Heads (Tracks)	Mounting	Order by Catalog Number	Professional User Price	Government Discount %	Price
AG-500-1 SINGLE CHANNEL								
AG-500-1 One Channel Full or Half Track	117 V 60 Hz	7 1/2 and 15 ips NAB	FULL	Unmounted	4010048-02	\$1275.00	18	\$1045.00
			TWO(1)	Portable	4010048-01	1380.00	18	1131.60
					4010048-04	1275.00	18	1045.50
		3 1/2 and 7 1/2 ips NAB	FULL	Unmounted	4010048-03	1380.00	18	1131.60
			TWO(1)	Portable	4010048-06	1275.00	18	1045.50
					4010048-05	1380.00	18	1131.60
	Multi-volt 50 Hz	7 1/2 & 15 CCIR	FULL	Unmounted	4010048-08	1275.00	18	1045.50
		7 1/2 & 15 NAB	FULL	Unmounted	4010048-07	1380.00	18	1131.60
		3 1/2 & 7 1/2 NAB	FULL	Unmounted	4010048-18	1346.00	13	1171.02
			FULL	Unmounted	4010048-12	1346.00	13	1171.02
		FULL	Unmounted	4010048-14	1346.00	13	1171.02	
AG-500-2 TWO CHANNEL								
AG-500-2 Two Channel Two Track (1/2 Track Stereo)	117 V 60 Hz	7 1/2 and 15 ips NAB	TWO	Unmounted	4010049-02	1495.00	18	1225.90
				Portable	4010049-01	1626.00	18	1333.32
		3 1/2 and 7 1/2 ips NAB	TWO	Unmounted	4010049-06	1495.00	18	1225.90
	Multi-volt 50 Hz	7 1/2 & 15 CCIR	TWO	Unmounted	4010049-05	1626.00	18	1333.32
		7 1/2 & 15 NAB	TWO	Unmounted	4010049-26	1559.00	13	1356.33
		3 1/2 & 7 1/2 NAB	TWO	Unmounted	4010049-14	1559.00	13	1356.33
		TWO	Unmounted	4010049-18	1559.00	13	1356.33	
AG-500-4 TWO CHANNEL								
AG-500-4 Two Channel Four Track (1/2 Track Stereo)	117 V	3 1/2 and 7 1/2 ips NAB	FOUR (Tracks 1 & 3)	Unmounted	4010049-08	1495.00	18	1225.90
	60 Hz	3 1/2 and 7 1/2 ips NAB	FOUR (Tracks 1 & 3)	Portable	4010049-07	1626.00	18	1333.32
	Multi-volt 50 Hz	3 1/2 and 7 1/2 ips NAB	FOUR (Tracks 1 & 3)	Unmounted	4010049-20	1559.00	13	1356.32
		3 1/2 and 7 1/2 ips NAB	FOUR (Tracks 1 & 3)	Portable	4010049-19	1658.00	13	1442.46
1/2 Track Stereo Play Head & Switch Kit, Factory Installed (2)					Specify When	111.70	18	91.59
1/2 Track Stereo Play Head & Switch Kit, Factory Installed (3)					Ordering Recorder	111.70	18	91.59



SPECIFICATIONS

Specifications quoted are those measured by professional standard methods. They are the guaranteed minimum specifications that a user can expect in long term operation.

SPEEDS: 7 1/2 and 15 ips, or 3 1/2 and 7 1/2 ips. (AG-500-4: 3 1/2-7 1/2 only)

Metric conversion:
3 1/2 ips 9.52 cm/sec
7 1/2 ips 19.05 cm/sec
15 ips 38.10 cm/sec

OVERALL FREQUENCY RESPONSE:
30-18,000 Hz +2 dB at 15 ips
30-15,000 Hz +2 dB, -4 dB at 7 1/2 ips
40-8,000 Hz +2 dB, -4 dB at 3 1/2 ips

SIGNAL-TO-NOISE RATIO: (Peak record level to unweighted noise. Includes bias, erase and playback amplifier noise.)
55 dB at 15 and 7 1/2 ips (half track or two track)
60 dB at 15 and 7 1/2 ips (full track 60 Hz)
57 dB at 15 and 7 1/2 ips (full track 50 Hz)
55 dB at 3 1/2 ips (full track)
50 dB at 3 1/2 ips (half track and quarter track)

FLUTTER AND WOW:
Less than 0.15% rms at 15 ips
0.18% rms at 7 1/2 ips
0.25% rms at 3 1/2 ips

TIMING ACCURACY:
±0.25% at 15 and 7 1/2 ips
±0.40% at 3 1/2 ips

OUTPUT: +4 dBm into 600 ohm balanced load, Cannon XL connectors. Single headphone jacks provided.

INPUTS: Two inputs per channel, 100,000 ohms unbalanced. Will accept input signal levels as low as -18 dBm for normal operating level.

POWER REQUIRED:
117 Volts AC-60 cycles, 1.50 amp 230 volts AC-50 cycles, .75 amp
3 wire grounded power cable supplied

RACK SPACE:
Transport: 8 1/2" x 19" (22.2 cm x 48.3 cm)
Electronics: 3 1/2" x 19" (8.9 cm x 48.3 cm)
Minimum space required: 6" behind panels (15.2 cm)

PORTABLE UNITS: Mounted in rugged Samsonite cases. Both one and two channel cases have sliding rear panel for access to connectors and adjustments on rear of machine. Cases are designed so machines can be operated vertically or horizontally with cables connected.

WEIGHT AND DIMENSIONS:
1 channel portable = 42 lbs: 20"W x 9-1/4"D x 14-5/8"H (includes feet and handle)
2 channel portable = 52 lbs: 20"W x 9-1/4"D x 18-1/8"H (includes feet and handle)

Ampex Series 600 professional audio tape recommended for optimum performance under most conditions. 404 Series recommended when recording is to be duplicated or dubbed down.

NOTES:

- Two track heads are used in place of half track to permit later conversion to two-channel, 1/2 track stereo without changing heads.
- For installation in AG-500-2 permitting switchable 1/2 and 1/4 track play.
- For installation in AG-500-4 permitting switchable 1/2 and 1/4 track play.

See Components on page 9; Accessories on page 10.

**AG-500
COMPONENTS**

Components	Order by Catalog Number	Professional User Price	Government Discount	
			%	Price
HEAD STACKS (2 Track Same as HT) Include Mounting Nut, Cables and Connectors				
FT Erase	1815109-01	\$ 45.00	18	\$ 36.90
HT Erase	1815111-01	45.00	18	36.90
FT Record	1815108-02	45.00	18	36.90
HT Record	1815110-02	45.00	18	36.90
FT Reproduce	1815108-01	45.00	18	36.90
HT Reproduce	1815110-01	45.00	18	36.90
¼-Track Erase	1815112-03	45.00	18	36.90
¼-Track Record	1815112-02	45.00	18	36.90
¼-Track Reproduce	1815112-01	45.00	18	36.90
TRANSPORTS Less Heads, Hold Down Knobs, and AC Cable				
Tape Transport 7½ & 15, 60 Hz	4020061-19	840.00	18	688.80
Tape Transport 7½ & 15, 50 Hz	4020061-20	840.00	18	688.80
Tape Transport 3¾ & 7½, 60 Hz	4020061-21	840.00	18	688.80
Tape Transport 3¾ & 7½, 50 Hz	4020061-22	840.00	18	688.80
ELECTRONICS Less Power Interconnect Cables				
Electronics 60 Hz NAB	4020256-19	475.00	18	389.50
Electronics 60 Hz CCIR	4020256-20	475.00	18	389.50
Electronics 50 Hz NAB 117/230 volt	4020256-21	495.00	18	405.90
Electronics 50 Hz CCIR 117/230 volt	4020256-22	495.00	18	405.90
MISCELLANEOUS				
Interconnect Cable 60 Hz	4050430-01	20.00	18	16.40
Interconnect Cable 50 Hz	4050430-02	30.00	18	24.60
Portable Case, Single-Channel	4150164-01	100.00	18	82.00
Portable Case, Two-Channel	4150231-01	105.00	18	86.10
AC Power Cable (3 wire grounded type) 8 ft.	084-027	1.70	18	1.39
Reel Hold Down Knob (black)	4130028-20	1.00	18	.82
See Accessories on page 10.				

ACCESSORIES

Description		Order by Catalog Number	Professional User Price	Government Discount %	Price	
GENERAL ACCESSORIES						
SPEAKER/AMPLIFIER - MODEL AA 620 Ideal companion unit to AG 600, AG 500 series and other professional recorders. 10" woofer, 3 1/2" tweeter and 15 watt solid state amplifier in one enclosure		Portable	4010070-01	\$259.00	18 \$ 212.38	
MIXER - MODEL AM 10 (Unmounted) Six position, two channel mixer, feeds 4 mic and 2 line inputs to either or both channels. May be expanded to 6 mics or 4 mic and 2 phono using accessories		117 V 50/60 Hz	4010087-01	499.00	18 409.18	
		115/230 V 50/60 Hz	4010087-02	527.00	18 432.14	
METER PANEL for AM 10 MIXER Contains two illuminated VU meters, level selector and monitor jacks			4010098-01	167.00	18 136.94	
PROFESSIONAL MICROPHONE, MODEL 802 Omnidirectional 50-20,000 Hz - Low or High Impedance			4010802-01	85.00	18 69.70	
PROFESSIONAL MICROPHONE, MODEL 803 Cardioid pattern 45-15,000 Hz - Low or High Impedance			4010803-01	100.00	18 82.00	
ACCESSORIES FOR SPECIFIC MODEL SERIES						
AG 440B AND AG 445B	REMOTE CONTROL - Desk type with 30 ft. cable		4010080-02	60.00	18 49.20	
	MICROPHONE PREAMP - Plug-in Module		4010066-02	55.00	18 45.10	
	BALANCED BRIDGING INPUT TRANS. PLUG-IN		4580200-01	20.00	18 16.40	
	LINE MATCHING INPUT TRANS. PLUG-IN		4580200-02	20.00	18 16.40	
	SCRAPE FLUTTER IDLER KIT		4010069-01	50.00	18 41.00	
	CONSOLE REAR COVER ASSEMBLY		Single Channel	4010076-01	36.00	18 29.52
			Two Channel	4010076-02	43.00	18 35.26
			Four Channel	4010076-04	57.00	18 46.74
	EXTENDER BOARDS		Reproduce	4020151-02	15.00	18 12.30
			Record	4020152-01	15.00	18 12.30
			Bias Amp	4020153-01	15.00	18 12.30
			Power Supply	4020154-01	15.00	18 12.30
	EQUALIZERS - Record - 7 1/2 15 tps CCIR		4020269-03	25.00	18 20.50	
	CONSOLE CABINET WITH SINGLE OVERBRIDGE		4020084-06	400.00	18 328.00	
	CONSOLE OVERBRIDGE RISER CASTINGS (Order two per electronics panel)		4260404-02	9.50	18 7.79	
	PORTABLE CASES Set consisting of one Transport and one Electronics with Installation Hardware and mounting instructions		Single Channel	4010086-01	175.00	18 143.50
Two Channel			4010086-02	175.00	18 143.50	
Four Channel			4010086-04	196.00	18 160.72	
OPERATORS and MAINTENANCE MANUAL - One furnished with each unit		4890301-01	10.00	18 8.20		
AG 500	MICROPHONE PREAMPS - 60 db, for both High and Low Output Microphones (low impedance input)		4010066-01	55.00	18 45.10	
	LINE INPUT TRANSFORMERS		Balanced Bridge	4580200-01	20.00	18 16.40
			Matching 600 ohm	4580200-02	20.00	18 16.40
	REMOTE CONTROL		Wired (in box with 30' cord)	0196510-02	85.00	18 69.90
			Panel Type (less cord)	0196520-02	57.50	18 47.15
	FOUR-DIGIT RESETTABLE COUNTER - Complete with mounting instructions and template		4012201-02	35.00	18 28.70	
	PORTABLE CASES		For AG 500 Single Channel Rec.	4150161-01	105.00	18 86.10
			For AG 500 Two Channel Rec.	4150231-01	130.00	18 106.60
			For AM 10 and Meter Panel	4150330-01	59.00	18 48.38
	OPERATION & MAINTENANCE MANUAL - One Furnished with Recorder		AG 500 (all models)	4890169-02	10.00	18 8.20
AG 600	PORTABLE CASES		For Single Channel AG 600	4150233-01	100.00	18 82.00
			For Two Channel AG 600	4150232-01	130.00	18 106.60
			For AM 10 and Meter Panel	4150330-01	59.00	18 48.38
	RACK MOUNT ADAPTORS		For Single Channel AG 600	4010078-01	21.00	18 17.22
			For Two Channel AG 600	4010079-01	29.00	18 23.78
	PREAMPLIFIERS PLUG-IN For AG 600, AG 500 and AM 10		Microphone, Low Impedance	4010066-01	55.00	18 45.10
			Phono (RIAA) Magnetic	4010097-01	50.00	18 41.00
	LINE INPUT TRANSFORMERS Plug-in for AG 600, AG 500, AG 440 and AM 10		Balanced Bridge	4580200-01	20.00	18 16.40
			Matching 600 ohm	4580200-02	20.00	18 16.40
	OPERATION and MAINTENANCE MANUAL One furnished with each unit		AG 600 Series	4890175-02	7.00	18 5.74
			AA 620 Series	4890177-02	1.25	18 1.02
AM 10 Series			4890178-02	1.25	18 1.02	

HOW TO ORDER

1. Determine items desired from this catalog.
2. The Government Agency prepares Purchase Order and lists each item separately by the Ampex Catalog Number indicated herein.
3. The Government may place orders as follows:
Orders may be placed either directly with Ampex Corporation, Redwood City, California, or in care of nearest distributor franchised to sell the items required. If the order is placed with a distributor, it should be addressed as follows:

Ampex Corporation
c/o Joe Doe, Distributor
Street Address
City, State, Country

Note: For name of franchised Ampex distributor in your area, contact the nearest Ampex Office on back cover.
4. The Ampex Distributor may elect to deliver the merchandise from his inventory or have the merchandise shipped from Ampex Corporation.
5. The Ampex Distributor in every case will forward the Government Purchase Order to the appropriate Ampex Regional Office listed on back cover.
6. If the Ampex Distributor has delivered the equipment from his stock, the serial numbers of units delivered and a receipt for delivery will accompany the original Government Purchase Order mailed to the Ampex Regional Office.
7. Ampex will invoice the Government Agency on all purchases under this contract. Government agencies must mail payment to: Ampex Corporation, P.O. Box 3646, San Francisco, California 94119.
8. If any equipment is received in damaged condition, the Government Agency will immediately advise Ampex Corporation, Redwood City, California, by collect wire, indicating Purchase Order Number, serial number of item (if any), extent of damage and when items may be inspected.
9. **UNIT PRICE**—Prices are for each unit F.O.B. destination by surface shipment within the 48 contiguous states and the District of Columbia. Add 3 percent to unit price for delivery, to Alaska, Hawaii, and Puerto Rico. Other overseas destinations are F.O.B. port of exit.
10. **DELIVERY**—In the 48 contiguous states and District of Columbia, delivery will be within 60 days of receipt of order. Same delivery applies port of exit on overseas shipments.
11. **TERMS OF PAYMENT**—2% 30 days after delivery or date of invoice received if latter date is later than date of delivery.
12. **PACKING**—Commercial packing will be performed in conformity to the standards and practices of the industry. Standard export packing available at extra charge upon request.
13. U.S. Government Agencies overseas (excluding Alaska and Hawaii) should address inquiries to the appropriate overseas Ampex Office on back cover or to the Ampex Corporation, Redwood City, California.
14. Factory source inspection, when required, shall be performed at the Ampex Professional Audio Factory, 600 Wooten Rd., Colorado Springs, Colorado, on all items listed herein except replacement parts. Parts will be available for inspection at Ampex Corporation, 600 Wooten Rd., Colorado Springs, Colorado.
15. **WARRANTY**—Ampex Professional Audio Products listed herein are warranted against defects in workmanship and material for one year.

IMPORTANT

Ampex Offices & Service Centers

CLE

For additional information concerning the products listed in this catalog and for names of Franchised Ampex Distributors in your area, write to: Ampex Corporation, 401 Broadway, Redwood City, California, 94063 or contact the nearest Ampex Regional Office listed below.

UNITED STATES SALES OFFICES

CALIFORNIA

500 Rodier Drive
Glendale 91201
(213) 245-9373 TWX No. 910-497-2268
120 Independence Drive
Menlo Park, 94025
(415) 367-3861 TWX No. 910-378-5920

GEORGIA

1680 Tully Circle, N.E.
Atlanta 30329
(404) 633-4131 TWX No. 810-751-8586

ILLINOIS

10 King Street
Elk Grove Village 60007
(312) 439-4600 TWX No. 910-222-2864

MARYLAND

7222 47th Street
Chevy Chase 20015
(301) 652-1881 TWX No. 710-824-0409

NEW JERSEY

75 Commerce Way
Hackensack 07601
(201) 489-7400 TWX No. 710-990-5143
(In New York, Phone 736-6116)

TEXAS

1615 Prudential Drive
Dallas 75235
(214) 637-5100 TWX No. 910-861-4967

AMPEX INTERNATIONAL REGIONAL OFFICES

UNITED KINGDOM/EUROPE AFRICA AND MIDDLE EAST

Acre Road
Reading, Berkshire, England

LATIN AMERICA AND CANADA

Box 4000
Redwood City, California

FAR EAST/AUSTRALIA/NEW ZEALAND

102-105 Kayamally Bldg.
22 Queen's Road C.
Hong Kong, B.C.C.
Telephone 227059

AMPEX SERVICE CENTERS

HEADQUARTERS

5422 W. Touhy Ave.
Skokie, IL 60076
(312) 675-2705
TWX: 910-222-4748

BOSTON

391 Totten Pond Lane
Waltham, MA 02154
(617) 893-0248
TWX: 710-324-6944

CHICAGO

5422 W. Touhy Avenue
Skokie, IL 60076
(312) 679-8950
TWX: 910-222-4748

DALLAS

6712 Oakbrook Blvd.
Dallas, TX 75235
(214) 637-5650

DETROIT

1035 Hilton Rd.
Ferndale, MI 48220
(313) 399-2128

LOS ANGELES

500 Rodier Dr.
Glendale, CA 91201
(213) 245-9373
TWX: 910-497-2268

MIAMI

14632-34 NW 7th Ave.
Miami, FL 33168
(305) 681-3256

NEW YORK

75 Commerce Way
Hackensack, NJ 07601
(201) 489-7400
TWX: 710-990-5143

PHILADELPHIA

947 Old York Rd.
Abington, PA 19001
(215) 887-1522
TWX: 510-665-0723

SAN FRANCISCO

168 E. Fremont
Fremont Cor. Shopping Center
Sunnyvale, CA 94087
(408) 739-1022
TWX: 910-378-5920

SEATTLE

239½ S.W. 152nd Street
Seattle, WA 98166
(206) CH 3-8330

WASHINGTON, D.C.

4824 Boiling Brook Pkwy
Rockville, MD 20852
(301) 946-5441

AMPEX

Ampex Corporation, Professional Audio Products Division
401 Broadway
Redwood City, California 94063

LABORATORY REFERENCE ALIGNMENT / TEST TAPES

PRICE SCHEDULE A497 SUPERSEDES A395

EFFECTIVE JULY 1, 1971

ALIGNMENT						
WIDTH (INCH)	SPEED (IN/S)	EQUALIZATION (TIME CONSTANTS)	STANDARD	TRACKS	CATALOG NO.	SUGGESTED USER PRICE
1/4	3.75	90 μ S & 3180 μ S	NAB	Full	4690037-01	\$ 23.95
		120 μ S & 3180 μ S	EIA*	Full	01-31331-01	
		200 μ S & 3180 μ S	Ampex**	Full	01-31334-01	
	7.5	50 μ S & 3180 μ S	NAB	Full	01-31321-01	
50 μ S & 3180 μ S		NAB	2	4690010-01		
15	7.5	50 μ S & 3180 μ S	NAB	1 & 3 (of 4)	01-31321-04 ¹	
		70 μ S & ∞	IEC***	Full	4690014-01	
60	15	50 μ S & 3180 μ S	NAB	Full	01-31311-01	
		50 μ S & 3180 μ S	NAB	2	4690009-01	
		35 μ S & ∞	IEC	Full	01-31313-01	
	60	3200 Series Duplicator	Special	Full	6878	44.00
1/2	7.5	50 μ S & 3180 μ S	NAB	Full	01-31321-05	38.50
		70 μ S & ∞	IEC	Full	4690015-01	
1 ²	7.5	50 μ S & 3180 μ S	NAB	8	4690007-01	150.00
		70 μ S & ∞	IEC	Full	4690032-01	
	15	7.5	70 μ S & ∞	IEC	8	4690021-01
			50 μ S & 3180 μ S (BLM-200)	NAB	8	4690007-02 ³
		50 μ S & 3180 μ S (BLM-200)	NAB	8	4690041-01 ⁴	165.00
30	15	50 μ S & 3180 μ S	NAB	Full	4690005-01	150.00
		50 μ S & 3180 μ S	NAB	8	4690006-01	
		35 μ S & ∞	IEC	Full	4690031-01	
		35 μ S & ∞	IEC	8	4690020-01	
30	30	17.5 μ S & ∞ ⁵	AES	Full	4690048-01	175.00
		17.5 μ S & ∞ ⁵	AES	8	4690042-01	
2 ²	7.5	50 μ S & 3180 μ S	NAB	Full	4690025-01	275.00
		50 μ S & 3180 μ S	NAB	16	4690022-01	
	15	7.5	70 μ S & ∞	IEC	Full	
70 μ S & ∞			IEC	16	4690034-01	
30	15	50 μ S & 3180 μ S	NAB	Full	4690024-01	
		50 μ S & 3180 μ S	NAB	16	4690018-01	
		35 μ S & ∞	IEC	Full	4690035-01	
		35 μ S & ∞	IEC	16	4690033-01	
30	30	17.5 μ S & ∞ ⁵	AES	Full	4690047-01	325.00
		17.5 μ S & ∞ ⁵	AES	16	4690039-01	

* (1959) Obsolescent

** (1953-1958) Obsolete

*** Also CCIR

FLUTTER

WIDTH (INCH)	SPEED (IN/S)	FREQUENCY (Hz)	UNWEIGHTED RMS FLUTTER (%)	TRACKS	CATALOG NO.	SUGGESTED USER PRICE
1/4	3.75	3000 3150	<0.03 <0.03	Full Full	01-31336-01 4690013-01	\$23.95
	7.5	3000 3150	<0.03 <0.03	Full Full	01-31326-01 4690012-01	
	15	3000 3150	<0.03 <0.03	Full Full	01-31316-01 4690011-01	

LEVEL

WIDTH (INCH)	SPEED (IN/S)	FREQUENCY (Hz)	LEVEL	TRACKS	CATALOG NO.	SUGGESTED USER PRICE
1/4	7.5 15	700 700	Operating ⁶ Operating ⁶	Full Full	01-31325-01 01-31315-01	\$19.50

PROGRAM SEQUENCES

ALIGNMENT			
IN/S	FREQUENCY	REPRODUCER OUTPUT VOLTAGE LEVEL	DURATION
3.75	500 Hz	10 dB below operating level	15 seconds
	7.5 kHz	10 dB below operating level	30 seconds
	5 kHz	10 dB below operating level	10 seconds
	2.5 kHz	10 dB below operating level	10 seconds
	1 kHz	10 dB below operating level	10 seconds
	500 Hz	10 dB below operating level	10 seconds
	250 Hz	10 dB below operating level	10 seconds
	100 Hz	10 dB below operating level	10 seconds
	50 Hz	10 dB below operating level	10 seconds
	500 Hz	Operating level ⁶	15 seconds
15 & 30	700 Hz	Operating level ⁶	15 seconds
	15 kHz	Operating level	30 seconds
	12 kHz	Operating level	10 seconds
	10 kHz	Operating level	10 seconds
	7.5 kHz	Operating level	10 seconds
	5 kHz	Operating level	10 seconds
	2.5 kHz	Operating level	10 seconds
	1 kHz	Operating level	10 seconds
	500 Hz	Operating level	10 seconds
	250 Hz	Operating level	10 seconds
	100 Hz	Operating level	10 seconds
	50 Hz	Operating level	10 seconds
	30 Hz	Operating level	10 seconds

ALIGNMENT				
IN/S	FREQUENCY	REPRODUCER OUTPUT VOLTAGE LEVEL	DURATION	
7.5	700 Hz	10 dB below operating level	15 seconds	
	15 kHz	10 dB below operating level	30 seconds	
	12 kHz	10 dB below operating level	10 seconds	
	10 kHz	10 dB below operating level	10 seconds	
	7.5 kHz	10 dB below operating level	10 seconds	
	5 kHz	10 dB below operating level	10 seconds	
	2.5 kHz	10 dB below operating level	10 seconds	
	1 kHz	10 dB below operating level	10 seconds	
	500 Hz	10 dB below operating level	10 seconds	
	250 Hz	10 dB below operating level	10 seconds	
	100 Hz	10 dB below operating level	10 seconds	
	50 Hz	10 dB below operating level	10 seconds	
	700 Hz	Operating level ⁶	15 seconds	
	FLUTTER			
	3.75	2 dB above operating level		30 minutes
7.5	2 dB above operating level		15 minutes	
15	2 dB above operating level		7.5 minutes	
LEVEL				
7.5	Operating level ⁶		10 minutes	
15	Operating level ⁶		5 minutes	

NOTES

- Has additional 1-min, 3-kHz signal at operating level as first tone.
- One-inch tapes, except for 4690041-01, have two times the duration shown, and two-inch tapes have four times the duration shown.
- Tape 4690007-02 is identical to 4690007-01, except is recorded on back-treated tape.
- Tape 4690041-01 has the following program and levels at 7 1/2 in/s: durations shown are at 240 in/s:
 - 700 Hz, operating level, 12.5 seconds.
 - 700 Hz, 10 dB below operating level, 7.5 seconds.
 - 10 kHz, 10 dB below operating level, 12.5 seconds.
 - 5 kHz, 10 dB below operating level, 5 seconds.
 - 2.5 kHz, 10 dB below operating level, 5 seconds.
 - 50 Hz, 10 dB below operating level, 5 seconds.
- Time constants for 30 in/s are per AES proposal, volume 19, page 68, Jan. 1971.

- OPERATING LEVEL, at 500 and 700 Hz, corresponds to a tape flux per unit width of 185 nanowebers/meter (Refer to: McKnight, John G., "Flux and Flux-Frequency Measurements and Standardization in Magnetic Recording," Journal of the SMPTE, Vol. 78, June 1969, pp 457-472.)
- All tapes are supplied in boxes, on the following size and type reels:
 - o 1/4-in.: 7-in., plastic, 4-in. hub
 - o Catalog No. 6878: 8-in., NAB
 - o 1/2-in.: 8-in., NAB
 - o 1-in.: 8-in., NAB
 - o 2-in.: 8-in., Precision (10.5-in. precision for 30 in/s)
- Accompanying each tape is a technical brochure describing the use and care of the tape.
- Special Test Tapes: Contact your nearest Ampex representative for price and delivery information.
- Ampex Corporation reserves the right to change prices without notice and without obligation. These prices supersede all previous prices, stated or implied.



Ampex Corporation, Professional Audio Products Division
401 Broadway
Redwood City, California 94063

U. S. Sales Offices in: CALIFORNIA, Los Angeles (213) 245-9373, San Francisco (415) 367-3861 • GEORGIA, Atlanta (404) 633-4131 • ILLINOIS, Chicago (312) 439-4600 • MARYLAND, Chevy Chase (301) 652-1881 • NEW JERSEY, Hackensack (201) 489-7400 (in New York City 736-6116) • TEXAS, Dallas (214) 637-5100 • Sales and Service Companies throughout the world.