

# 4000D

THREE HEAD  
STEREO  
TAPE DECK



A SUPERB STEREO TAPE DECK ENABLING STEREO FANS TO PRODUCE THE ULTIMATE IN HIGH FIDELITY RECORDINGS.

- ◆ HIGH QUALITY THREE HEAD SYSTEM EMBODYING THE LATEST TECHNIQUES, FEATURING AN EXCLUSIVE ONE MICRON GAP RECORDING AND PLAYBACK HEADS PLUS ERASE HEAD
- ◆ ALL SILICON TRANSISTORIZED PRE-AMPLIFIER REDUCES HISsing NOISE TO A MINIMUM
- ◆ STURDY MECHANISM PROVIDING EXCELLENT DURABILITY
- ◆ FINE OIL-FINISHED WOODEN CABINET MATCHING FURNITURE AND/OR STEREO SET

## OUTSTANDING FEATURES

- ◆ 4-track stereo/monaural recording and playback  
For playback, the 4000 D requires an external power amplifier and speakers
- ◆ 2 speeds.....3-3/4 and 7-1/2 ips
- ◆ 3 heads.....One micron gap recording and playback heads plus erase head
- ◆ All silicon transistorized pre-amplifier
- ◆ Shield type head for high S/N ratio
- ◆ Two lever system ensures dependable and durable sure operation
- ◆ Track selector for simple selection between stereo and monaural
- ◆ Sound on sound (by using an optional cord), Sound with sound
- ◆ Automatic shut off, Instant stop control
- ◆ Tape cleaner
- ◆ Tape speed equalizer
- ◆ Tape lifter in fast forward and rewind operation
- ◆ DIN jack
- ◆ Stereo headphone jack
- ◆ 3-digit index counter with reset button, 2 VU meters
- ◆ Fine oil-finished wooden cabinet
- ◆ Vertical and horizontal operation
- ◆ Universal voltage selector (From 100 V to 240 V ; 50/60 Hz)

# AKAI

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## 4000D

### AA-5000S

### SW-130



#### ONE MICRON GAP HEADS

AKAI's one-micron gap head is responsible for an amazing, important difference in tape recording.

It's the difference between every day ordinary performance and the highest possible quality perfection.

Just what is a one-micron gap head? It's a head with a width of one micron—one astounding micron, to be precise.

Up to now, 2-micron gap heads or 4-micron gap heads have been the standards for comparing tape recorders. But, AKAI has pushed forward and narrowed the head gap... narrowed the distance between tape recording results and actual sound. The result is AKAI perfection. One-micron gap heads have these distinctive advantages over heads with wider gaps:

- (A) They have excellent frequency characteristics even at low tape speed. (This means that high and intense recording and playback is achieved.)
- (B) Clear high pitched tone can be regenerated as a frequency tone and recorded smoothly. (A high frequency tone is recorded with a low distortion rate.)

#### PERFORMANCE SPECIFICATIONS

TAPE SPEED	: 2 speeds . . . . . 3-3/4 and 7-1/2 ips
WOW AND FLUTTER	: Less than 0.15% RMS at 7-1/2 ips Less than 0.20% RMS at 3-3/4 ips
FREQUENCY RESPONSE	: 30 to 22,000 Hz, $\pm 3$ db at 7-1/2 ips 30 to 16,000 Hz, $\pm 3$ db at 3-3/4 ips
SIGNAL TO NOISE RATIO	: Better than 50 db
INPUT LEVEL	: Mic . . . . . more than 0.5 mV Line . . . . . more than 50 mV
OUTPUT LEVEL	: OVU (1.23 V RMS)
EQUALIZATION	: Correct equalization for playback of tapes recorded to the NARTB curve.
RECORDING LEVEL INDICATOR	: 2 VU meters
RECORDING SYSTEM	: 4-track stereo/monaural system
FAST FORWARD AND REWIND TIME	: 150 seconds using 1,200 foot tape at 50 Hz. 120 seconds at 60 Hz.

The AKAI policy is one of continual development and improvement. For that reason, AKAI reserves the right to change specifications without notice and without incurring any obligation relating to models previously manufactured by them.

#### A WONDERFUL COMBINATION

(4000D+AA-5000S+SW-130)



#### SOLID STATE STEREO PRE-MAIN AMPLIFIER AA-5000S

##### OUTPUT:

(MUSIC POWER):

Load 8 ohms ..... 110 W (55 W x 2)

Distortion 1% at 1 K Hz.

(RATED POWER):

Load 8 ohms ..... 70 W (35 W x 2)

Distortion 1% at 1 K Hz.

FREQUENCY RESPONSE:

20 ~ 35,000 Hz,  $\pm 1$  db, with 8 ohms load from AUX terminal.

DIMENSIONS:

5-3/8" x 17" x 10-5/8"

(135 x 430 x 270 mm)

WEIGHT: 17.6 lbs (8 kg)

#### STEREOPHONIC SPEAKER SYSTEM SW-130

SPEAKER: 12" woofer & 3-1/2" tweeter

IMPEDANCE: 8 ohms

MAX. POWER INPUT:

25 W

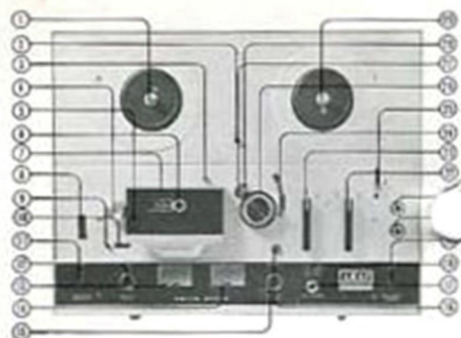
FREQUENCY RESPONSE:

50 ~ 18,000 Hz.

DIMENSIONS: 22-1/2" x 16-1/2" x 12-1/8"

(570 x 420 x 310 mm)

WEIGHT: 28.9 lbs (13.1 kg) (each)



#### CONTROLS

- 1 Supply Reel Shaft
- 2 Cycle Conversion Switch (A)
- 3 Capstan Storage Post
- 4 Tape Guide
- 5 Tape Cleaner
- 6 Track Selector
- 7 Head Cover
- 8 Equalizer Switch
- 9 Reset Button
- 10 Index Counter
- 11 Record/Playback Monitor Switch
- 12 Record Level Control (Left)
- 13 VU Meter (Left)
- 14 VU Meter (Right)
- 15 Record Level Control (Right)
- 16 Record Safety Button
- 17 Stereo Headphone Jack
- 18 Record Indicator Lamp
- 19 Power/Automatic Shut-off Switch
- 20 Microphone Jack (Right)
- 21 Microphone Jack (Left)
- 22 Fast Forward/Rewind Lever
- 23 Record/Playback Lever
- 24 Automatic Shut-off Lever
- 25 Instant Stop/Pause Lever
- 26 Pinch Wheel
- 27 Capstan Shaft
- 28 Capstan
- 29 Take-up Reel Shaft

#### STANDARD ACCESSORIES

DIN Plug: 4 RCA Plugs Cord	.....	1
Microphone with Stand	.....	1
Spare Fuse	.....	2
Rubber Cap	.....	2
Vinyl Leather Lid	.....	1
Silicon Oil	.....	2
Felt Pad	.....	2
Operator's Manual	.....	1

#### MAXIMUM RECORDING CAPACITY

MAXIMUM RECORDING CAPACITY	: 4 hours monaural recording at 3-3/4 ips (1,200 foot recording tape). 2 hours stereo recording at 3-3/4 ips.
MOTOR	: Induction motor
TRANSISTOR	: 17 silicon transistors 2 diodes 2 rectifiers
POWER SUPPLY	: AC 100 to 240 V, 50/60 Hz.
POWER CONSUMPTION	: 30 VA
DIMENSIONS	: 12-3/8" x 15-7/8" x 7-1/2" (315 x 405 x 180 mm)
WEIGHT	: 25.3 lbs (11.5 kg)

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