

### 3. Applications

Fuji air purifier is recommended for all applications where maximum air cleaning efficiency is required including those for:

Hospitals—sick room, dispensaries, etc.

Industrial fields—factories for manufacture of preci-

sion machinery, chemical products, optical equipment, textiles, foodstuffs etc.

Offices—electric computer rooms, director's rooms, conference rooms, banks and beauty parlours.

Daily living facilities—restaurants, hotels and your home.

(By K. Uekuri, Foreign Trade Dep't.)

## FUJI 4-TRACK STEREO TAPE RECORDER, MODEL TPS 451

Now you can play and record 4-track stereo and monophonic tapes with superb fidelity. Use the Fuji TPS-451 tape recorder just once and you will be convinced of how easy recording and playback can be. It's all done by merely pushing the piano key type controls.... stop, play/record, fast forward, rewind, stereo, etc. This recorder features 2 speeds....  $3\frac{3}{4}$  and  $7\frac{1}{2}$  ips, two professional VU meters for best quality recordings, digital tape counter, and safety interlock to prevent accidental erasure of valuable prerecorded tapes. Fuji stereo tape recorder provides your hours of fascinating entertainment.... reliving your favourite musical programs, recording your baby's first words or the voices of your growing family, taping history-making events for your permanent library, and is also most useful in educational work, all recordings being of truly professional quality.

### 1. Special Features

- 1) More compact and light weight than any other 4-track complete stereo tape recorder.

Small size but has all the features of the large sized one. With this one unit, you can play or record 4-track stereo tapes and 4-track monophonic tapes at either  $3\frac{3}{4}$  or  $7\frac{1}{2}$  ips.

- 2) A professional hysteresis synchronous motor

A top class motor is used. Voltage fluctuation does not affect its rpm thus there is no

variation in tape speed, and you are enabled to enjoy a stable recording or play back.

- 3) Mechanism is designed for steady continuous use

The driving mechanism which is the most important part of the tape recorder is designed for long hours of use with no fear of damage to the mechanism.

- 4) Simplified piano touch controls

All main functions are push-button operated, which even a child can handle easily. A safety device prevents cutting of the tape in case of rough handling.

- 5) Wonderful hi-fi sound

Because of the high efficiency of the flutter and wow held to 3% at  $7\frac{1}{2}$  ips and by using the completely compensated amplifier and our special recording head, of which our company is very proud, very clear tone quality is achieved thus this machine is best suited for music listening and language study.

- 6) Long recording

Because of 4-track, 8 hours of recording can be accomplished on the 2400 foot monaural tape at  $4\frac{3}{4}$  ips, making it very practical and convenient for use at conferences and round-table discussions.

- 7) Two professional VU meters for best quality recording and playback

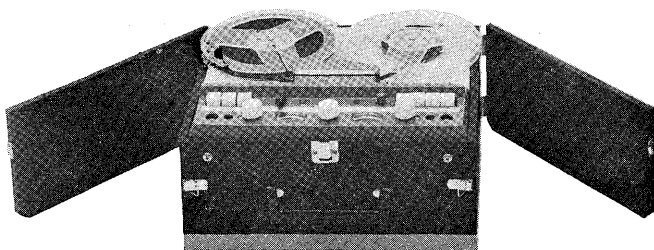
Two recording level indicators show you the levels being recorded or played in each channel. Precise tone balance control of the left and right channels produces magnificent stereophonic sound.

- 8) Output jacks

Two outputs are provided for playback through external speakers and there are two line out jacks for connecting with external amplifiers.

- 9) Input jacks for convenient tape editing

Two auxiliary inputs are provided in addition to two microphone inputs to allow recording directly from phonograph, radio, television, and



high level sources such as tuners, preamplifiers, etc.

You will want to build your own music library by making full use of the outstanding above features.

## 2. Specifications

Dimensions: W  $14\frac{3}{4}$ " D  $12\frac{1}{4}$ " H  $7\frac{3}{4}$ "  
(W 35cm D 31cm H 17.5cm)  
Net weight: 28.6 lbs. (13 kg)  
Power consumption: 85 w  
Reel: Up to 7"  
Tape speed: Two speeds,  $7\frac{1}{2}$  ips and  $3\frac{3}{4}$  ips  
Tube used: 6 tubes  
Motor: Constant hysteresis-synchronous type  
Rewind and fast forward: About 2 minutes on 7" reel  
Recoding time:  
Tape length    4 track stereo    4 track monaural  
                   $7\frac{1}{2}$  ips     $3\frac{3}{4}$  ips     $7\frac{1}{2}$  ips     $3\frac{3}{4}$  ips  
1200 ft        1 hr        2 hrs        2 hrs        4 hrs  
1600 ft        1.5 hrs       3 hrs        3 hrs        6 hrs  
2400 ft        2 hrs        4 hrs        4 hrs        8 hrs

Frequency response: 501~14,000 cps at  $7\frac{1}{2}$  ips.

Signal to noise ratio: Better than 45 db.

Cross talk separation: Better than 50 db.

Flutter and wow: 0.3% at  $7\frac{1}{2}$  ips.

Output power: 5 w

Recording level indicator:

Two professional VU meters

Controls: Push-button controls with safety interlock.

Input impedance: 500 k $\Omega$  for recording from auxiliary inputs using AM/FM or FM multiplex tuner, stereo record and tape.

50 k $\Omega$  for recording from dynamic microphone(s).

Output impedance: High impedance for the external main amplifier connection.

External speaker or headphone connection for hooking up to 4 or 8 $\Omega$  speakers.

Speakers: 4"  $\times$  6" dynamic speakers for each channel.

(By K. Uekuri, Foreign Trade Dep't.)