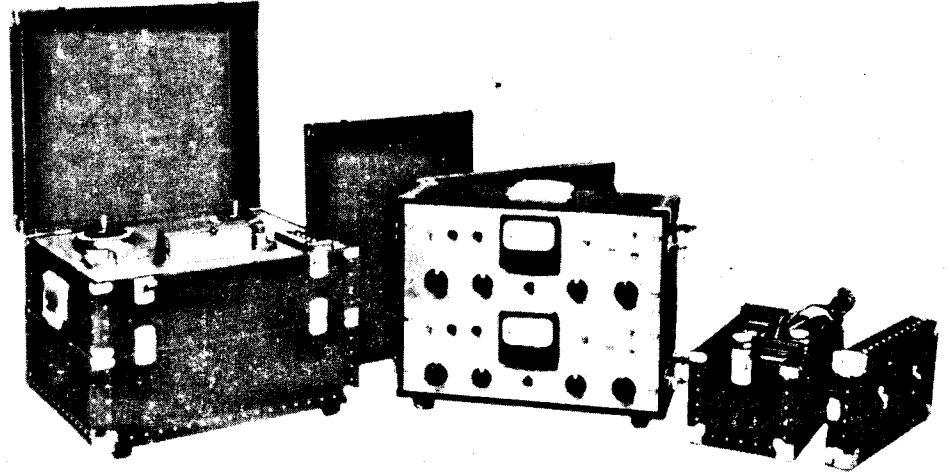


BULLETIN No. P-118

MODEL 403-2 Stereophonic Recorder

The Ampex Model 403-2 is a dual track audio tape recorder for recording and playing back stereophonic signals. The overall performance and operation are similar to Model 403.



Portable Stereophonic Recorder Cat. #4043

1. The Model 403-2 is available as a three case portable or for rack mounting. When rack mounted, it occupies 36-3/4 inches of rack space.
2. A special head assembly has been designed. The record and playback heads are dual track of multi-channel design. One head is stacked above the other, with gaps of each head in line. One head covers the upper portion of the tape; the other, the lower portion. It is, therefore, possible to record, playback and monitor two channels simultaneously. The standard full track erase head is used.
3. A catalog number 3621 Electronic Chassis is supplied for Track #1 (upper track.) This assembly incorporates the standard erase and bias oscillator. A catalog number 3621-1 Electronic Chassis is supplied for Track #2 (lower track.) This assembly is identical to the Track #1 Electronic Chassis, except the erase and bias oscillator has been replaced with a bias buffer amplifier. The input of the buffer amplifier (the connector labeled Bias J410P) receives the bias signal through a Bias Interconnecting Cable connected to the Erase Head Connector on the Track #1 Electronic Chassis. The buffer amplifier amplifies the bias signal to provide the bias current for the Track #2 record head. The erase head is connected to the Erase Head Connector on the Track #2 Electronic Chassis.
4. The installation and operation procedures for each track of the Model 403-2 are identical to that of the Model 403. The head cables for the upper

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# ENGINEERING DATA

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track are color coded red. The Top Plate Fuse F-402 in the Track #1 Electronic Chassis has been increased to 3 amperes to accommodate the additional load of the Track #2 Electronic Chassis.

## SPECIFICATIONS - MODELS 402 AND 403

See Model 403 (Bulletin A-212) for specifications and performance characteristics. The Model 403-2 is essentially the same in every respect.

### DIMENSIONS

Rack Mounting - Standard 19" width panel - Commercial notching.

- (1) Mechanical unit - 15-3/4" height panel
- (2) Electronic assemblies - 14" height panel.
- (2) Power Supply assemblies - 7" height panel.

### Three Case Portable

#### Mechanical Assembly in case

Width - 21"  
Depth - 18"  
Height - 15"  
Weight - 62#

#### Electronic Assembly in case

Width - 21"  
Depth - 11"  
Height - 15"  
Weight - 55#

#### Power Supply Case

Width - 7-1/2"  
Depth - 14"  
Height - 8"  
Weight - 21#

Units are joined by interconnecting cables. Equipment may be operated by remote control (Catalog #3766), if desired.

### ORDERING INSTRUCTIONS

When ordering this equipment, use the following Catalog Numbers:

Model 403-2R for Rack mounting	<u>60 cycle</u> Cat. #4042	<u>50 cycle</u> Cat. #4042-1
Model 403-2P in Portable cases	Cat. #4043	Cat. #4043-1