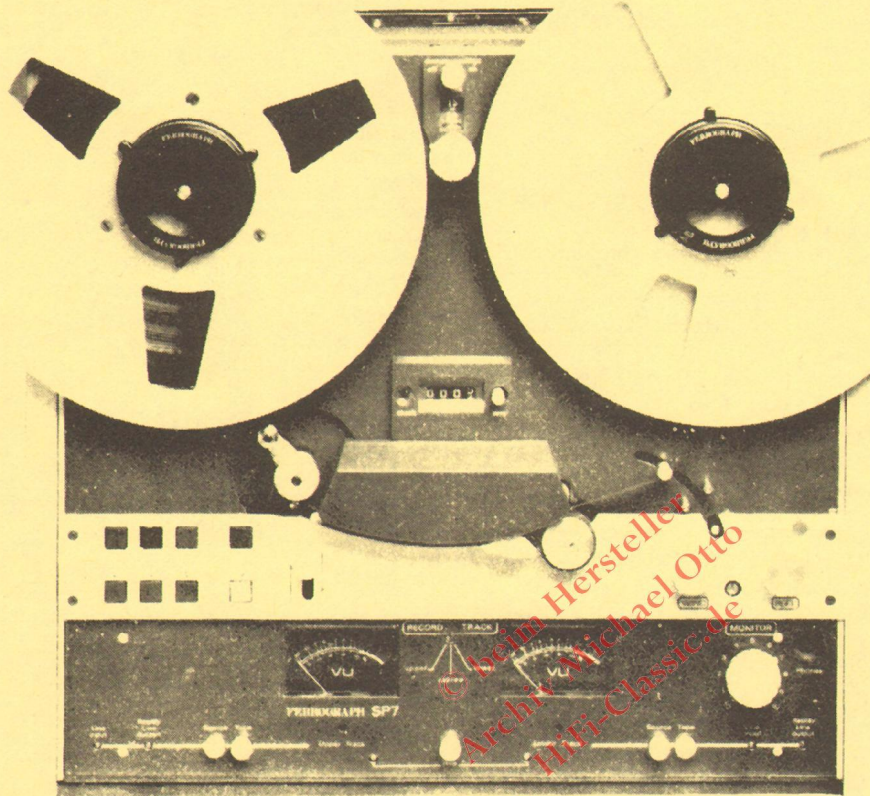




FERROGRAPH

DEUTSCHLAND

AUDIO ELECTRONIC GMBH. & CO. KG.



SP7 Reel-to-reel recorder

Die neue Ferrograph SP 7 ist die ideale Maschine für das Profi-Studio und den engagierten Amateur. Eine große Anzahl verschiedener Features, die ab Werk auf Wunsch eingebaut werden, optimiert die SP 7 für jeden gewünschten Einsatzzweck. Optisch besticht das Metallgehäuse in silber/blau.

Allen Ausführungen gemeinsam ist das robuste schon von der legendären Logic 7 bekannte Laufwerk mit drei Motoren, Logicsteuerung und leichter Bedienung. Durch Schnellstart (Pausetaste) erreicht das Band die korrekte Geschwindigkeit schon nach 0,1 sec. Ein Einmessen von vorn auf jede gängige Bandsorte ist ohne zusätzliche Instrumente möglich. Drei Studio-Tonköpfe aus eigener Fertigung und getrennte Aufnahme- und Wiedergabeverstärker gestatten Hinterbandkontrolle.

Die verschiedenen Ausführungen:

Spurlage	- Mono	- Vollspur	Halbspur
	- Stereo	- Halbspur	Viertelspur
Geschwindigkeiten	- High	- 38 - 19	- 9,5
	- Medium	- 19 - 9,5	- 4,8
	- Low	- 9,5 - 4,8	- 2,4

Symmetrische Ein- und Ausgänge auf Wunsch

Eingebaute Endverstärker und Lautsprecher auf Wunsch

Mikrophoneingänge auf Wunsch

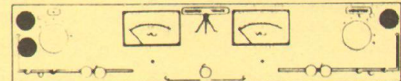
Rack-Montagebausatz erhältlich

DOLBY-B-Rauschunterdrückung auf Wunsch (nur für Stereo-Ausführung)

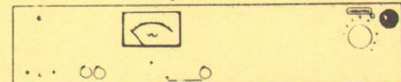
Front panel options



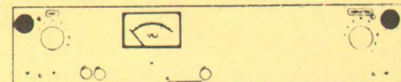
Stereo line in/line out



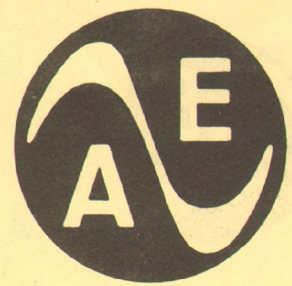
Stereo and mic input



Mono line in/line out



Mono and mic inputs



SP7 Technical Specification

Tape Width

1/4 in (6.3 mm)

Spool Size

NAB or Cine centres, up to 10 1/2 in (270 mm) diameter.

Head Track Dispositions

Track Width

Mono: Full Track 0.248 in (6.3 mm)

Half Track 0.091 in (2.3 mm)

Stereo: Half Track 0.091 in (2.3 mm)

• Quarter Track 0.043 in (1.1 mm)

Guard Band

Mono: Half Track 0.065 in (1.65 mm)

Stereo: Half Track 0.065 in (1.65 mm)

Quarter Track 0.025 in (0.63 mm)

Head Gap Width

Record Head: 250 μ m (6.3 μ m)

Replay Head: 80 μ m (2 μ m)

Operating Tape Speeds

Three per model

High 15, 7 1/2, 3 3/4 in/s (38, 19, 9.5 cm/s)

Medium 7 1/2, 3 3/4, 1 7/8 in/s (19, 9.5, 4.8 cm/s)

Low 3 3/4, 1 7/8, 1 5/16 in/s (9.5, 4.8, 2.4 cm/s)

Tape Speed Accuracy

Better than $\pm 1\%$ (at specified power supply frequency)

Playing Time per Track

3600 ft (1080 m) of LP tape:

48 min at 15 in/s (38 cm/s)

1 hr 36 min at 7 1/2 in/s (19 cm/s)

3 hr 12 min at 3 3/4 in/s (9.5 cm/s)

6 hr 24 min at 1 7/8 in/s (4.8 cm/s)

12 hr 48 min at 1 5/16 in/s (2.4 cm/s)

Fast Wind Time

Continuously variable in either

direction. At fast speed,

approx. 1 min for 1,200 ft (360 m) of tape

approx. 2 min for 2,400 ft (730 m) of tape

approx. 3 min for 3,600 ft (1080 m) of tape

'Wow' & 'Flutter'

Peak, DIN Weighted: less than

0.08% at 15 in/s (38 cm/s) H model

0.10% at 7 1/2 in/s (19 cm/s)

0.17% at 3 3/4 in/s (9.5 cm/s)

0.08% at 7 1/2 in/s (19 cm/s) M model

0.15% at 3 3/4 in/s (9.5 cm/s)

0.20% at 1 7/8 in/s (4.8 cm/s)

0.15% at 3 3/4 in/s (9.5 cm/s) L model

0.20% at 1 7/8 in/s (4.8 cm/s)

0.40% at 1 5/16 in/s (2.4 cm/s)

Frequency Response

Record - Replay

15 in/s (38 cm/s) : 30-20,000 Hz

± 2 dB

7 1/2 in/s (19 cm/s) : 30-17,000 Hz

± 2 dB

3 3/4 in/s (9.5 cm/s) : 40-14,000 Hz

± 3 dB

1 7/8 in/s (4.8 cm/s) : 50-7,000 Hz

± 3 dB

1 5/16 in/s (2.4 cm/s) : 60-3,000 Hz

± 3 dB

Replay Characteristic

•• DIN-H or IEC/CCIR/DIN-S or NAB.

Signal to Noise Ratio

Ref 2% distortion, unweighted including hum:

better than 60 dB (1/2 track, Dolby out)

58 dB (1/4 track, Dolby out)

Bias

Approx. 100 kHz; current adjustable for individual tapes.

Erasure

Better than 70 dB at 1 kHz

Inputs

(for peak level recording of 320 nWb/m)

*Microphone: 200 μ V - 50 mV

(Standard Jack - 2 contact, gauge A)

Recommended source 200 - 2,000 Ω

Line in: Minimum signal 150 mV at 10k Ω

(Standard Jack - 2 contact, gauge A)

Recommended source - not greater than 10k Ω

*Balanced

Line in: 150 mV - 5V at 10k Ω (isolated)

(Cannon XLR)

Recommended source - not greater than 600 Ω

*When fitted.

Recommended source - not greater than 600 Ω

Recommended source - not greater than 600 Ω

Line out: 2V at 600 Ω

(Standard Jack - 2 contact, gauge A)

*Balanced

Line out: 2V at 600 Ω (isolated)

(Cannon XLR)

Phones: suitable for headphones of

8 - 2000 Ω

(Stereo Jack - 3 contact, gauge A)

*Loudspeaker: up to 10W RMS into

8 - 16 Ω

(Standard Jack - 2 contact, gauge A)

*Power Amplifiers

10 W RMS per channel into 8 - 16 Ω

Distortion less than 0.25% at all levels

up to 10W.

*Internal Loudspeakers

Elliptical 7 x 4 in (18 x 10 cm); 30 Ω , maximum 5W.

Meters

65 x 40 mm (2 1/2 x 1 1/2 in);

approx. VU characteristic.

Peak level recording

320 nWb/m: +4 VU continuous tone,

0 VU music.

Crosstalk

(Mono Models)

Better than 75 dB at 1000 Hz (half

track Mono)

Channel Separation (Stereo Models)

Stereo operation - approx. 50 dB

Mono operation - better than 65 dB at

1,000 Hz

Power Supply

230V - 250V, 50 Hz or 200 - 230V,

50 Hz or 100 - 120V, 60 Hz.

Power Consumption

130W approx.; maximum on fast

wind 175W.

Overall Dimensions

476 mm wide x 428 mm x 255 mm

(18 3/4 in wide x 16 7/8 in x 10 in).

Weight

25 kgm (58 lb)

• Not recommended on high speed

models.

•• DIN-H recommended for greatest

compatibility with European

recorders. NAB recommended for

American recorders.

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Import - Exklusivvertrieb

Stax · Living Audio · Neal · Ferrograph