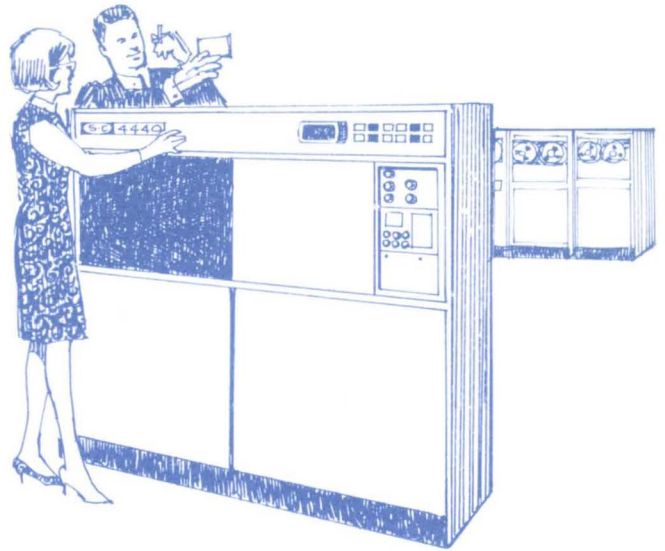# S-C 4440 DATA RECORDER

*For businesses with large EDP
centers making frequent inquiries
into large data bases*

For any organization that processes data, updates large files or produces files of large quantities of computer documents for microfilm inquiries at up to daily updating intervals. The S-C 4440 produces tremendous savings for the user with large output requirements due to its high speed of up to 90,000 characters per second printing rate and low cost of printing materials. The S-C 4440 can translate computer data into computer format pages at the rate of 70,000 pages in an eight hour shift. These pages can be simultaneously encoded with special marks for use with modern random information retrieval methods (Miracode, Codeline and image count).

It produces high quality 16 mm roll microfilm encoded with random retrieval information and superimposed business forms.

Major options include a hardcopy printer for producing hardcopy pages from microfilm.

S-C 4440 CHARACTERISTICS

Compatible with: IBM 2401-Mod. 1 Tape Units.

Operation: Accepts input from computer or magnetic tape, generates alphanumeric characters in a computer page format, projects business forms over generated data to produce microfilm images of computer pages with random retrieval film coding. Optionally, hardcopy can be produced from the microfilm.

Speed: Up to 90,000 characters per second.

Input Format: Accepts 7 or 9 track NRZI BCD type recorded tapes.

Input Tape Density: 800, 556 or 200 bytes per inch.

Character Generator: 5″ Apsel® CHARACTRON® Shaped Beam tube.

Character Sets: Standard BCD, Business or Scientific Sets.

Print Format: 132 characters per line, 64 lines per page, 10 characters per inch by six lines per inch. Effective reduction ratios to microfilm of 21:1 to 32:1.

Output: 16 mm non-perforated microfilmed pages of computer documents with random access film retrieval marks.

Logic: Solid state standard logic modules.

Standard Features:
Record edit, automatic re-read of tape errors.
Lateral parity checking.
High quality characters.
High accuracy printing.
Horizontal and vertical tabbing.
Rotatable film image.
Built-in viewer.
Business forms projector.
Quick change reduction ratios. (film image sizes)
Variable film advance.

Miracode, 21 bar code line, 26 bar code line or image count film retrieval marks.
Frame counter.

Circuitry: All solid state.

16 mm Camera: 600 ft. split feed and take-up magazines. Film advance time of 100 ms or less, variable film advance of 12 to 18 mm, retrieval exposure system for Miracode, 21 bar code line, 26 bar code line or image count retrieval marks: quick change camera lens, film out, film footage and film motion indicators.

Options:
Multiple Forms Projector
Merging Camera
Hardcopy Printer

Operating Temperature: 60°F to 85°F.

Weight: Approximately 700 lbs.

Relative Humidity: 40% to 70%.

Power: Includes power for S-C 4440 Data Recorder and one tape unit—208V (phase-to-phase) ±10%, 3 phase, 5 wire WYE connected, 60 cycles per second, 1.5 KW for the Data Recorder, 1.5 KW for the tape unit—3.0 KW total.

Dimensions: 57″ high, 63″ wide, 22″ deep.

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