



Burroughs L5000 Magnetic Record Computer

Characteristics

Systems Memory
Disk

6,000 RPM, 5 milliseconds average access

Up to:

40 tracks—read/write head per track

20,480 digits

1,280 words

64-bit word

16 digits per word (15 digits plus sign)

8 alpha characters per word

4 instructions per word

Extended Magnetic Memory Record File

Single or head-to-head magnetic unit records, 11" in length; from 6" to 14½" wide

352 digits of information on 1 stripe (349 data digits, 2 line count digits, 1 block check digit)

Variable word length

Logic

Integrated circuitry

Internally-stored program (4 instructions per word)

Application programs are written in L/TC COBOL or Assembler Language, using a powerful and variable command list

Application programs are executed by defined strings of micrologic software instructions called "Firmware"

Systems Software

L/TC COBOL Compiler—Assemblers—Debugging aids

Unit Printer

Interchangeable—64-character set—USASCII data communications or commercial sets

Printing—20 characters per second

Positioning—programmatically controlled; 20 inches per second to most significant character

Print—10 characters per inch, 255-position print line

Automatic printer adjustment to forms thickness

Characteristics (cont.)

Forms Handler

Split platen

Accommodates a variety of front-inserted forms of variable sizes up to 26" in width—magnetic unit records, conventional ledgers, unit set forms, etc., as well as cut or continuous roll journals

Positive, adjustable front and rear edge guides; form limits for manual form insertion to a fixed printing line

Alignment of magnetic unit records is automatic from data stored on the stripe, or from program control

Vertical spacing programmatically controlled

Spacing—6 lines per inch; 20 lines per second

Pinfeed attachment for single or dual forms control

Keyboard

24 program select keys

4 operational control keys (located on both numeric and alphanumeric keyboards)

37 operator communication lights

Standard alphanumeric typewriter keyboard

10-key numeric keyboard

7-character keyboard buffer (28-character backup through firmware)

Optional Data Input/Output

Choice of configurations:

Automatic magnetic record reader input

Paper tape and/or edge punched card input; paper tape and/or edge punched card output

80-column punched card input; 80-column punched card output

Power Requirements

120 volts—60 cycles

Physical Characteristics

Height—29 $\frac{7}{8}$ "—75.9 cm

Depth—41"—1.04 m

Width—59"—8.50 m

Weight—550 pounds—248 kg



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