IBM 3215

IBM 3215
Wire Matrix
Printer

The 3215 console writer is cable-connected to the system and performs all the functions usually associated with the IBM Selectric I/O typewriter with the exception of underscore.

The 3215 is entirely under control of the printer attachment in the system. It uses print wires to form the characters out of dots, using a modified 7 by 4 dot matrix pattern. As the print head sweeps across the print line, a vertical column of seven print wires constructs the characters serially. Each wire is driven by a hammer under spring tension, when released by a no-work print magnet, mounted on

the print head. A leadscrew, driven by a stepper motor, moves the print head carrier across the print line continuously at 8.5 inches per second. The carrier returns at approximately 17.0 inches per second.

Each print magnet can fire up to four times per character, and half-way firing points may be selected, under control of the system, to provide better resolution of characters containing curved or diagonal lines.

Specifications:

- Printing capacity—132 print positions at 10 characters per inch.
- Printing speed—Up to 85 characters per second.
- Forms Handling—Selected length pin feed platen.

Serviceability:

- Simplicity of design.
- Accessibility and ease of adjustments.
- Modular replacement of functional units.
- MAP's as diagnostic aids (Maintenance Analysis Program).

This is an CE Career Path "General Systems" product.

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