The MONITOR 8540 Display Editor is a compact, portable unit for man-machine communication in conjunction with cathode-ray-tube displays. It converts operator inputs into electronic signals for connection to a general-purpose digital computer or to a display generator such as the MONITOR 8500 (see separate brochure).

**DESIGN FEATURES**

- **STANDARD ALPHABETIC KEYBOARD** similar to that of a conventional electric typewriter.
- **SEPARATE NUMERIC KEYBOARD** similar to that of a conventional 10-key adding machine.
- **CHANNEL SELECTION KEYS** for choice of display, in multi-channel system.
- **FUNCTION SELECTION KEYS** labeled by replaceable transparent overlay, with edge-notched key.
- **CURSOR CONTROLS** for up-down, left-right slewing and positioning of a position marker on the display.

- **SYSTEM INTERFACE** for transfer of instructions as bit-parallel words with ready-acknowledge control to a computer or a MONITOR 8500 Digital Display Generator.
- **DATA-SET INTERFACE** in lieu of the direct-connected System Interface as an optional integral facility for converting outputs to serial form, as required for common-carrier communications links.
- **OPTIONAL CURSOR POSITION INDICATOR LIGHTS** depicting x & y cursor location.
LOCAL EDIT OUTPUT (Optional in lieu of Remote):
16-bit parallel data transfer to nearby computer or MONITOR 8500 Digital Display Generator.
Request-Acknowledge control.
Levels 0 and +5 volts.
8 bit output bytes optional.
On special order, interfaces for any GP computer.

REMOTE EDIT OUTPUT (Optional in lieu of Local):
Serial data transfer of 16 bits per operator action at rate compatible with modem: 1200, 2400, 4800, or 40,800 baud.
Transmit-only standard. Half duplex, full duplex communication optional.
Levels compatible with EIA RS-232.

KEYBOARDS:
Typewriter keyboard comprising 26 alphabetic characters and 28 symbols, plus separate 10-key aggregate for numerals.
Character code up to eight bits. ASCII standard, others available.

FUNCTION SELECTION (Optional, for computer only):
Four fixed-function selectors, together with nine variable-function selectors coded with a plastic notched overlay permitting one of up to 64 different nine-bit codes to be transmitted when a new selection is made.

CHANNEL SELECTION:
Ten switches for identifying display channel(s) to which output is directed. For direct connection to MONITOR 8500, only one channel may be selected at a time.

CURSOR CONTROLS:
By use of four directional pushbuttons, the operator may control a cursor on the channel(s) selected, moving it one display element in the selected direction.
Holding a switch for a period in excess of 1 sec causes the cursor to slew in the selected direction.

ERROR LOCKOUT:
Transfer of new operator-selected data is disabled until the previous data has been transmitted.

TECHNOLOGY:
High-reliability integrated circuits on field-proven logic cards. Sliding drawers permit front access for most maintenance operations. See separate brochure on MONILOGIC for description.

POWER INPUT:
Commercial mains; nominal 115 volts, 60 Hz, single phase, less than one ampere.

ENVIRONMENT:
Ambient temperature 50°F to 100°F. Relative humidity to 95%, without condensation. Other ranges on special order.

SIZE:
16” x 6” x 10”, complete, including self-contained power supplies and all interface circuitry.

WEIGHT:
20 lbs., approximately.