

Entrex System 480 Data/Scope Keystation

The DATA/SCOPE™ Keystation with its specially designed desk is a model of workstation efficiency and an attractive addition to the modern data preparation center. Containing a keyboard and CRT display, the DATA/SCOPE Keystation is the operator's link to System 480.

Keyboard

The DATA/SCOPE terminal is available with a keyboard arrangement similar to either a keypunch or typewriter. A 10-key numeric module is included with the typewriter keyboard.

The design of the keyboard stresses simplicity. In addition to the normal set of data keys, each keyboard contains 17 function keys. These clearly-labeled keys are all that is needed to operate in all modes; additional switches or dials are made unnecessary by the simple, operator-oriented interactive control method. Both types of keyboards can be used on one System 480.

Data Display

The DATA/SCOPE's television-like display provides the means for system communications with the operator. It supplies the operator with a 40-character line of job status information including the operating mode, the current entry program number, and the current record and field number.

A second line of 40 characters is used for diagnostic messages in English, which are displayed if the operator violates a validity check, or if an additional operator action is required. The status line is also used to inform the supervisor of system actions on her keystation.

The remaining 400 characters of data and field tags allow the operator to see the current position and context within entire records.

All system functions performed by the operator are accomplished using the CRT. The system displays requests for necessary information, and the operator keys the responses; the operator does not have to memorize any procedures.

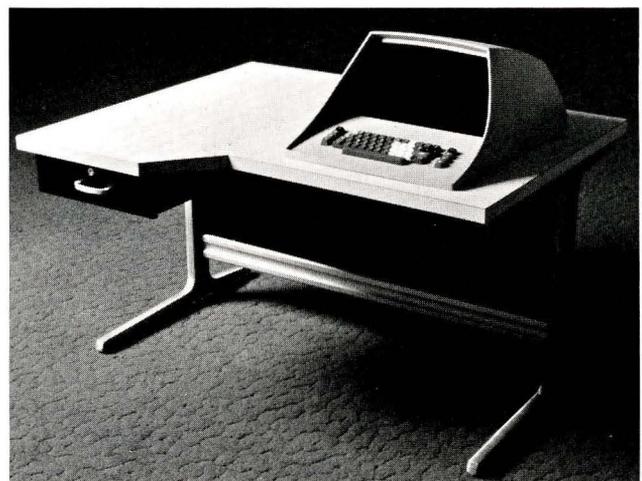
Cursor Control

During operation, the next character position to be keyed into is indicated on the display by a blinking cursor. Complete control of the cursor is provided from the keyboard. An operator can move the cursor forward or backward one character, field, or record at a time using simple keystrokes.

Moving the cursor does not alter data; the operator can backspace to an error, rekey to correct it, and depress one key. Location Return, to reposition the cursor to the location occupied before the backspacing occurred. Errors can be corrected immediately and keying can be resumed rapidly.

Supervisory Functions

All supervisory control functions (e.g., writing output files) are performed from a DATA/SCOPE Keystation. However, access to supervisory functions is protected by a nondisplayed password. While the supervisor can control the system from any keystation, unauthorized access is prevented. No special supervisor's console is required.



Technical Description and Installation Requirements on reverse side.

Technical Description

Display Refresh Rate: 60 times per second.
Local Storage: MOS shift registers.
Character Formation: 5 by 7 dot matrix.
Screen Capacity: Total of 12 lines, 40 characters per line (10 lines for data/tag display).
Power: 115 VAC \pm 10%, 1.6 amps, 60 hz.
Heat Output: 625 btu per hour.
Data Transmission to Central Unit: Serial, phase-encoded, bipolar with excellent noise margins.
Workstation: Large usable work area and locking personal effects drawer.

Installation Requirements

The following are the requirements for installation of a DATA/SCOPE Keystation.

1. Adequate area for the keystation and operator must be provided; see Figure 1.
2. Keystations must be within 1000 feet of the Control Group.
3. Electrical outlets are required to provide 115-volt, AC, 50 or 60 cycle, 1.6 ampere power. A third ground wire is required between all keystations and the control group.
4. Air conditioning adequate to maintain a temperature between 65° and 80° F and a humidity level between 40% and 80%.
5. An uncarpeted floor.

Additional keystations with either typewriter or key-punch keyboards can be added to a system at any time. Cable raceways are available to cover cabling between DATA/SCOPES and the Control Group.

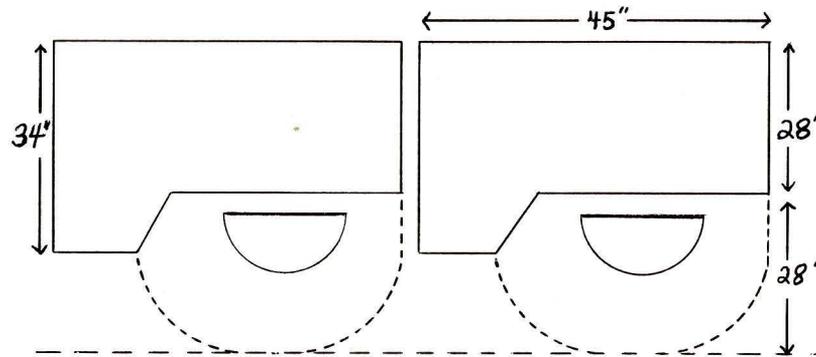


Figure 1. Space requirement for DATA/SCOPE