TRS-80 Model 100

THE HIGHLIGHTS

- Largest Liquid Crystal Display available anywhere—8 lines of 40 characters each. Full screen dot graphics are available with every dot (240 by 64 dot matrix) individually addressable.
- Full size "QWERTY" keyboard.
- 8 Programmable Function Keys conveniently located above the keyboard.
- 4 Command Keys located above the keyboard which perform the same operations regardless of the application in use.
- 4 Cursor Control Keys located above the main keyboard logically grouped for convenient operation.
- The 8th line of the LCD display is available to either display the labels assigned to the function keys, or to act as an 8th normal display line.
- Two sets of internal batteries. Four replaceable "AA" batteries power the Model 100 for 20 hours during operation and internal Nickel-Cadmium batteries (rechargeable from either the "AA" operations batteries or through an optional external AC power supply) will retain all information in memory for up to 30 days.
- Built-in Real Time Clock.
- Built-in Interfaces for:
  Cassette Recorder at 1500 baud
  RS-232C, programmable from 75 to 19,200 baud
  Standard Radio Shack Parallel Printer
  Built-In Direct-Connect, Auto-Dial 300 Baud Modem
  Bar Code Reader
- 8K of Random Access Memory, internally expandable to 32K.
- Operating system and Applications software included in 32K of Read Only Memory—ready for instant use.
- Built-In Applications Software

TEXT—A super text preparation program with features such as automatic "word-wrap" so that the (ENTER) key is unnecessary when entering text except to break paragraphs. Ability to define blocks of text by character, word, line, above or below current cursor position. Easy manipulation of defined text blocks makes this one of the best mini-word processors going. Full user prompts are provided on the 8th line of the display and all commands, and functions are performed using the command keys, function keys and cursor control keys.

SCHEDULE—Turns your Model 100 into a "mini-data base." You enter information which you wish to keep track of (such as schedules, appointments, notes or even personnel data) into a free form text file. The schedule program allows you to search the entire file for any character or set of characters you wish to find at a speed you just won't believe!

ADDRESS—Excellent for keeping up with those names and addresses everyone needs to have at hand. It's especially valuable for any outside salesperson or anyone who has to call on clients of any type. The Address file is also used with the built-in communication program to provide auto-dial capabilities.

TELCOM—One of the most complete telecommunications programs available anywhere. This multi-purpose program is the controller of the built-in Direct-Connect, Auto-Dial Modem. You can find and call names or numbers already stored in the Model 100 and even automatically "log-on" to your data service (such as CompuServe) with just a few keystrokes. It's so versatile that it can function as an automatic phone dialer, too! The Model 100 will operate in full or half duplex, upload or download text files, and even echo all received information to a printer.

BASIC—A complete version of Microsoft's best! Formatted printing, Full String Handling, Complete File Operations, Multi-Dimension Arrays, Binary Coded Decimal Math operations with 14 digit precision and the most accurate transcendental functions ever from Microsoft! Virtually identical to Model III Extended BASIC with special commands also provided to enable you to easily take advantage of the Model 100s many features (like graphics, sound generation and more).

DETAILS

There are so many features of the new Model 100 that it is almost impossible to know where to begin. But, since we have begun, maybe it would be best to start with a few "laps around the computer"—let's see what we really have here!

DISPLAY

We've already talked about the character set and the eight line 40 character screen, so let's discuss graphics! Yes, graphics. The display is formed by a matrix of 240 dots (horizontal) by 64 dots (vertical) and each dot is individually addressable from within BASIC. In fact, BASIC even includes commands to draw lines and boxes. A small dial on the right side of the Mod 100, just behind the ON/OFF switch, controls the display viewing angle so that it can be easily adjusted to suit an individual at most normal viewing angles.

THE KEYBOARD

All 256 ASCII characters are capable of being generated directly from the keyboard. The LCD will display all but 32 of them (it won't display character codes 0 through 31), which includes standard upper/lower case characters, international characters, graphics characters and block graphics. The character set is identical to the Radio Shack standard printer character set (except for the special graphics characters). Here is a table showing the characters (and their decimal codes) generated by the keyboard for each of the following key combinations: (KEY), (SHIFT) (KEY), (CTRL) (KEY), (GRPH) (KEY), (SHIFT) (GRPH) (KEY), (CODE) (KEY), (SHIFT) (CODE) (KEY).