

**Radio Shack®**

# TRS-80® Portable Computer Model 100



# TRS-80 Model 100—The First Real Ready-to-Use Portable Computer



8K RAM Model 100

24K RAM Model 100

**799<sup>00</sup>**      **999<sup>00</sup>**

Cat. No. 26-3801

Cat. No. 26-3802

## Your "Micro Executive Workstation"

It's here. The fantastic new TRS-80 Model 100 Portable Computer from Radio Shack. It's a truly portable computer that works anywhere on batteries—not another "transportable" with a handle and AC power cable. The Model 100 can fit in your in-basket and weighs less than four pounds, yet it's powerful enough to serve as your desktop microcomputer.

Model 100 has built-in features that let you write memos or reports, keep your appointments, address, phone list and expense records up-to-date, and provide instant data communication via telephone. It will even dial the phone for you.

## A Workstation That Goes Along

Most personal computers are growing more complex, more expensive and large enough to require their own desk. We've designed the Model 100 to be simple, go with you, work the way you work, handle the things you have to do, and be extremely simple to use. And it works in a taxi, hotel, on a job site—virtually anywhere!

## The Ultimate Travelling Companion

Suppose this Monday morning at the office you are using the TEXT program built into the Model 100 to draft your monthly report and clear up some business letters. At noon, you unplug your Model 100 from its optional AC power adapter, slip it into your briefcase and take a cab to the airport to catch a plane to New York.

In the taxi, you pull out your Model 100, check your schedule, and begin working on those letters. The computer runs on four "AA" batteries, and when it's turned off, the memory is supported by its own set of rechargeable batteries—so that information can be safely stored for up to 30 days.



## Easy-to-Use Communications

Once in your hotel room, you plug your Model 100 into the phone line and press a few keys. The computer automatically dials the local phone number of a nationwide electronic mail service. You receive a message from your secretary and another from a West Coast colleague, sent only hours before. By sending the draft of a letter back to your secretary electronically, you can have a typed copy that's ready for your signature when you return to the office. You may also want to access Dow Jones News/Retrieval®, an information service that lets you check the latest stock market quotes, plus industry and financial news from *tomorrow's* headlines.

## Instant Access to Important Data

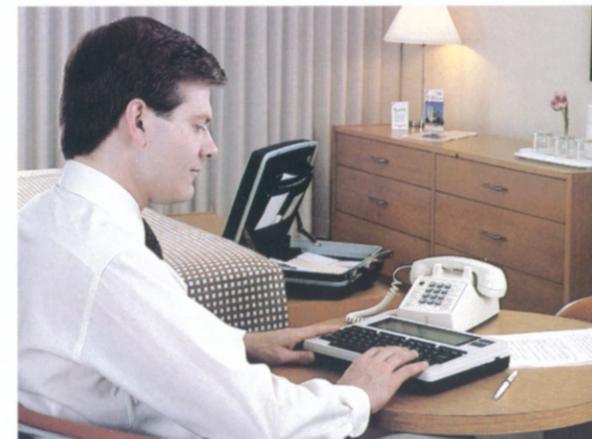
At the briefing on Tuesday, the vice-president wants the early sales results from the new product. Nobody has had time to do much more than glance at them—except you, since you've been working on them in spare moments for the past two days. You call up your preliminary analysis on your Model 100 and show it to the vice-president, who's obviously impressed. Meeting notes go into the Model 100 as they happen.

Tuesday night, en route home, you use your Model 100 to review your notes, go over the material from your secretary and update your schedule with new "to-do's".

## Staying Ahead of the Game

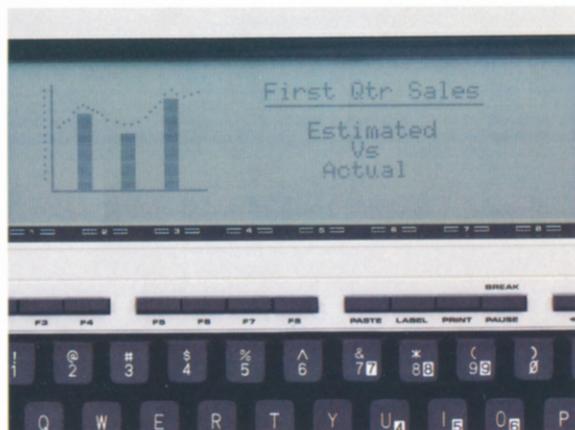
Back in the office Wednesday morning, there are no surprises waiting for you and you're not days behind in your work. The work you sent to your secretary is waiting for your signature. Putting your Model 100 back on your desk, you go through your updated Schedule, pick out the next item on your "to-do" list and begin taking care of it.

Going to New York was all in a day's work—a day's work that could have turned into a week's work if it hadn't been for your TRS-80 Model 100 Portable Computer. After using Model 100 for just a few days, you'll wonder how you ever got along without it!



## Eight-Line, 40-Character Display

Model 100's easy-to-read screen displays about one-third of a page in upper-and-lower-case characters. The 15,360 individually controllable picture elements can provide superb dot-matrix graphics. The liquid crystal screen even adjusts electronically for optimum visibility at any viewing angle.



Easy-to-Use 240 x 64 Dot-Matrix Graphics

## Full-Size Typewriter Keyboard

You don't feel cramped because Model 100 has a full-size typewriter keyboard. It includes standard typewriter keys, six special keys, eight programmable function keys, four command keys and four cursor control keys. A "number" key even turns a section of the keyboard into a 10-key datapad. All 256 ASCII codes can be generated right from the keyboard, too.

## Built-In Personal Word Processing

Your personal word processing program is built in, ready to use. It has "cut, copy and paste" functions to make editing a snap, plus fast and easy cursor movement, and a search function. And the function keys give you keystroke-quick response to menu items. With an optional printer, you can print any of your files in selectable widths (up to 132 columns) without splitting words.

## Schedule and Address Book

Both are included in the built-in software. SCHEDULE turns the Model 100 into a mini-database for appointments, expenses, "to-do's" or any information you need to access quickly. ADDRESS keeps names, addresses and phone numbers. Both have a search function that will recall desired information at electronic speed.

## Complete Telecommunications Package

Select TELCOM from the menu and Model 100 functions as a terminal via the built-in auto-dial modem or the RS-232 interface for computer-to-computer communications. This allows you to save or send text files with just a few keystrokes.

## Built-In Modem

With an optional cable, you can plug your Model 100 into any modular phone jack to send or receive data over the phone lines! As a telephone auto-dialer, Model 100 will search your files and dial any requested number. You can set up an auto log-on function to reach information networks, like CompuServe® or Dow Jones, with just a couple of keystrokes. And you can add optional acoustic cups to use with telephone handsets when a phone jack is not available.



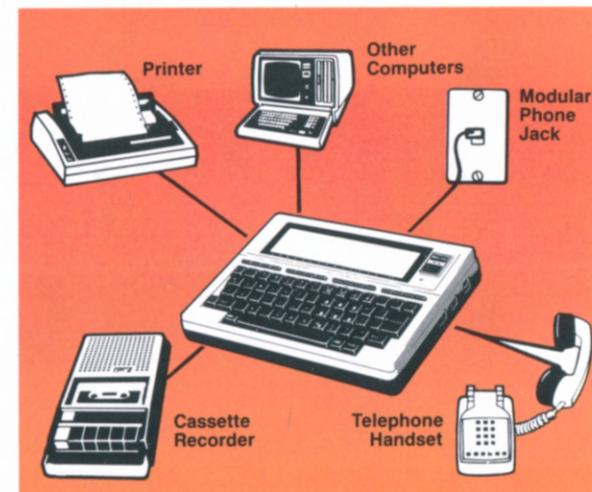
Each Program Uses the Function Keys for Specific Commands, Making Programs Extremely Easy to Use.

## Advanced BASIC Language

Programmers will love this Microsoft® TRS-80 BASIC. It's an enhanced version of our popular Model III BASIC. You get full string handling, complete file operations, multi-dimension arrays, 14-digit double-precision math operations and the most accurate transcendental functions from Microsoft ever.

## Complete Interface Capability

Connect your Model 100 directly to another computer—micro, mini or mainframe—using the RS-232C interface. It's great for transferring letter and report drafts to your secretary's word processing system. Connect your Model 100 to any Radio Shack dot-matrix, daisy wheel or graphics printer via the parallel interface for fast printouts. There's also an interface that lets you save or load programs, data and text at a fast 1500 baud using a standard cassette recorder.



Model 100 Easily Connects to Computers, Your Telephone and Other Accessories

## Complete Documentation

Included are a 48-page Quick-Reference Pocket Guide that describes the main features, functions and operations of the Model 100, and a complete 220-page manual that includes handy programs you can type in to make it even more useful.

# TRS-80 Model 100 Accessories and Specifications

## Accessories and Upgrades

**8K RAM Expansion.** Up to three may be installed for a total of 32K. Installation required (not included). 26-3816, \$119.95 each

**AC Adapter.** Conserves battery power while at the office or at home. U.L. listed. 26-3804, \$5.95

**Acoustic Coupler.** Connects your Model 100 to a telephone handset when direct connection is unavailable. (Available 3rd Qtr '83.) 26-3805, \$39.95

**Parallel Printer Cable.** Connects Model 100 to any Radio Shack parallel printer. 26-1409, \$14.95

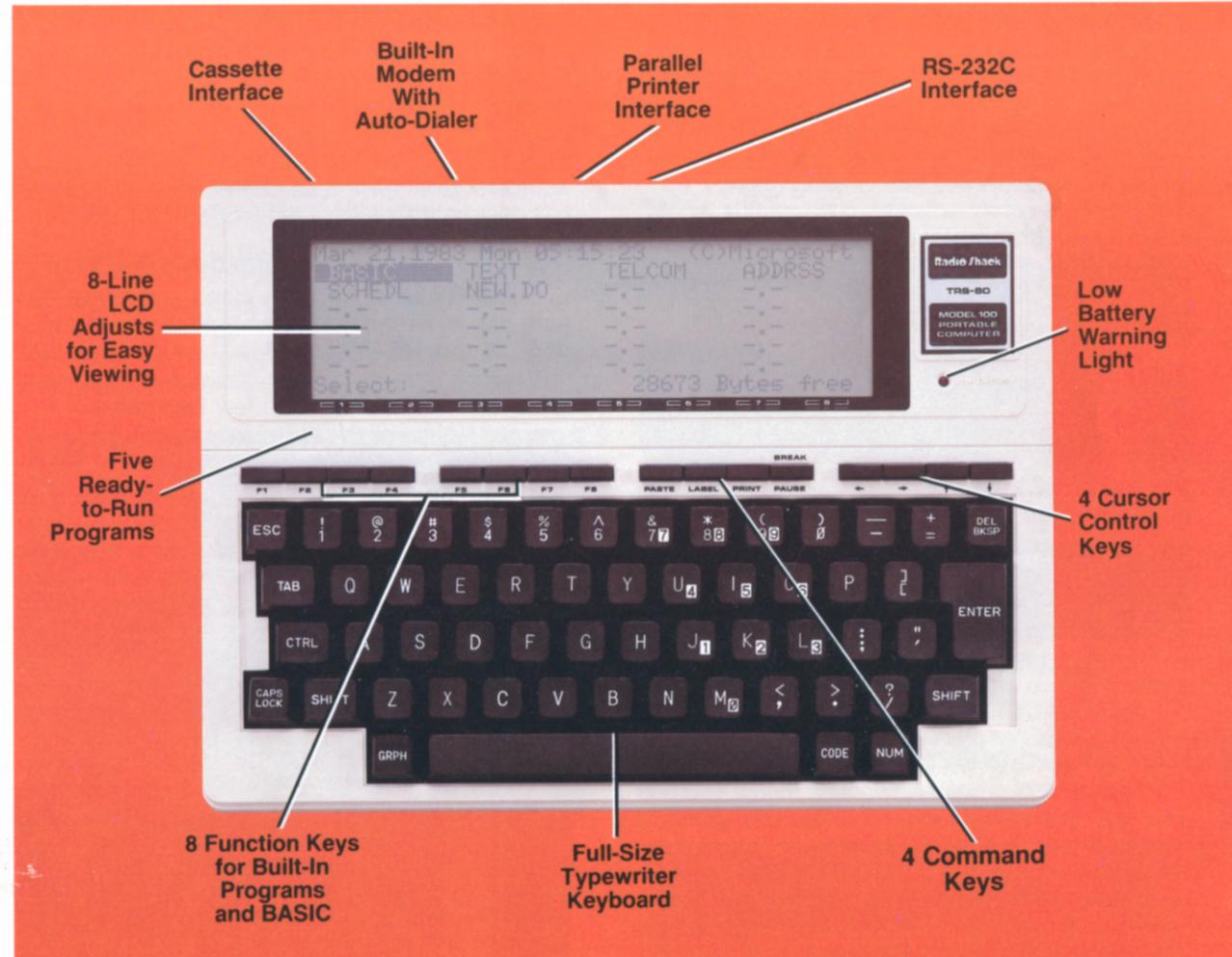
**Direct-Connect Modem Cable.** Connects Model 100 to a modular phone jack. Includes one free hour (non-prime time) on CompuServe and Dow Jones News/Retrieval. 26-1410, \$19.95

**System Briefcase.** Holds Model 100, CCR-81 cassette recorder and cables. 20 x 14 x 4". (Available 2nd Qtr '83.) 26-3809, \$49.95

## Available Nationwide

See the new TRS-80 Model 100 Portable Computer—the Micro Executive Workstation—at the Radio Shack store, Computer Center or participating dealer near you.

## Just Look at These Built-In Model 100 Features



## Specifications

**Microprocessor:** 8-bit 80C85 CMOS. **Clock Speed:** 2.4 MHz. **Memory:** 32K ROM; 8 or 24K RAM, expandable in 8K increments to 32K. **Keyboard:** Full-size 56-key typewriter style with embedded 10-key datapad, plus 8 programmable function keys, 4 command keys and 4 cursor control keys. **Display:** 8-line by 40-column Liquid Crystal Display, upper and lower case ASCII characters, 240 x 64 dot-matrix graphics. Electronically adjustable. **ROM-Based Programs:** Advanced Microsoft BASIC, TEXT word processing, SCHEDL appointment calendar and filing system, ADDRSS address and phone number file. TELCOM telephone and RS-232 communications program. Fully programmable communications settings. Full/half duplex. X-ON and X-OFF. **Modem:** Built-in FCC-registered direct-connect modem with

auto-dialer. 300 baud. Originate and answer. Optional acoustic cups. **BASIC Features:** Full string handling, complete file operations, multi-dimension arrays, 14-digit double-precision accuracy, 5-octave sound generator. **Input/Output:** Parallel printer interface. RS-232C serial communications interface programmable up to 19,200 baud. Cassette tape interface loads at 1500 baud. Standard bar-code reader interface. **Dimensions:** 2 x 11<sup>7</sup>/<sub>8</sub> x 8<sup>1</sup>/<sub>2</sub>". **Weight:** 3.9 lbs. **Power Supply:** Operations—Up to 20 hours on 4 "AA" alkaline batteries or optional U.L. listed AC power supply. Memory—Internal rechargeable nickel-cadmium batteries will maintain memory intact for up to 30 days with power off (depending on the amount of RAM installed) and are automatically recharged from "AA" batteries or AC power.

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The biggest name in little computers®  
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