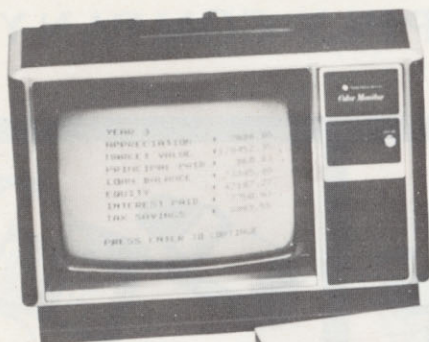# Texas Instruments
SUPPLY COMPANY

The Official
Computer and
Calculator
Supplier of
the 1980
Olympic
Winter
Games

1980 CATALOG

Specialty Products

**Introducing the remarkable TI-99/4 Home Computer**

NOW AVAILABLE!!!

TI-99/4 Home Computer. There's a computer in your future, and the future is now. The 99/4 gives you an unmatched combination of features and capabilities. Powerful TI-BASIC. Up to 72K total memory capacity. 16K RAM. 16-color graphics capability. Music and sound effects. Built-in equation calculator. High quality 13″ color monitor. Solid state speech. **Order No. 85636**

Two pioneering technological developments *in particular* **set the TI-99/4 apart from the rest.**

- **Solid State Speech™** This optional speech synthesis accessory enables the TI-99/4 to literally speak — to provide verbal prompts and special messages to the user. Actually reproduces the human voice electronically.

- **Solid State Software™ Command Modules**
  Available in a wide range of application areas, these optional ROM modules actually add application program memory to your TI-99/4. They let you use the TI Home Computer immediately, with no programming. A wide choice of modules includes Personal Record Keeping, Household Budget Management, Investment Analysis, Tax/Investment Record Keeping, Statistics, Early Learning Fun, Number Magic, Early Reading, Football, Video Chess and Video Graphs.

See warranty information on back page.

Specialty Products
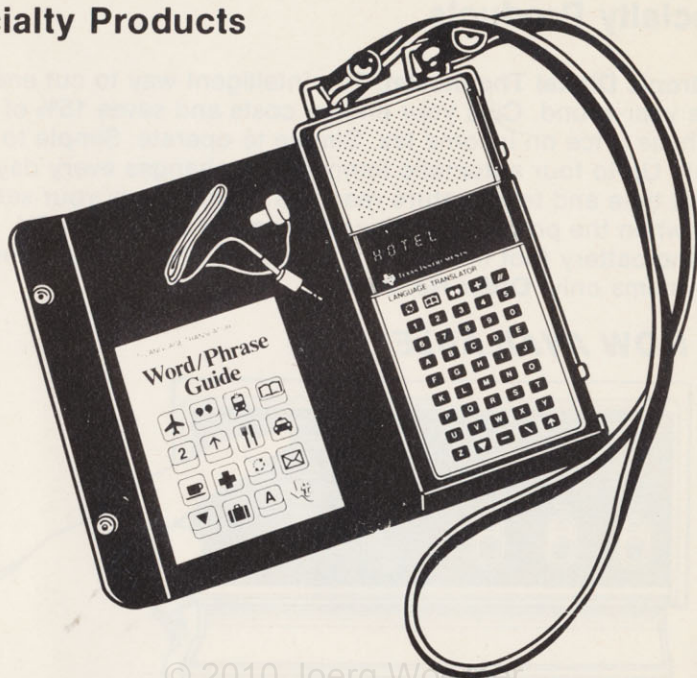
Language Translator That Speaks. The world's first handheld electronic translator that can actually *pronounce* and display foreign words, phrases and sentences...in your choice of languages. Because of a Texas Instruments technological breakthrough called Solid State Speech™, the Language Translator can actually speak to you in an electronic voice. At the same time, it shows the translated word and its proper spelling in an easy to read electronic display. A growing line of Language Modules — starting with Spanish, French* and German* — each gives you over one thousand spoken phrases. And more languages are on the way. Comes complete with carrying case, earphones, A.C. adapter (110 v) and word/phrase guide with instructions. **Order No. 85662**

*SELECTED MODULES AVAILABLE IN APRIL

- Battery operated so you can use it in restaurants, taxis, or even in business meetings

- Provides practice for language students of any age

- Helps travelers enjoy trips to other countries with guide to the most commonly used words and phrases

- No tapes or records to wear out

Specialty Products

Electronic Digital Thermostat. The intelligent way to cut energy costs year-round. Cuts your energy costs and saves 15% of purchase price on income tax. Simple to operate. Simple to install. Up to four automatic temperature changes every day. Digital time and temperature readouts. Remembers your settings even when the power fails. Operates on 24V AC or one 9V alkaline battery (not included). For use with central heat and air systems only. **Order No. 85661**

NOW AVAILABLE
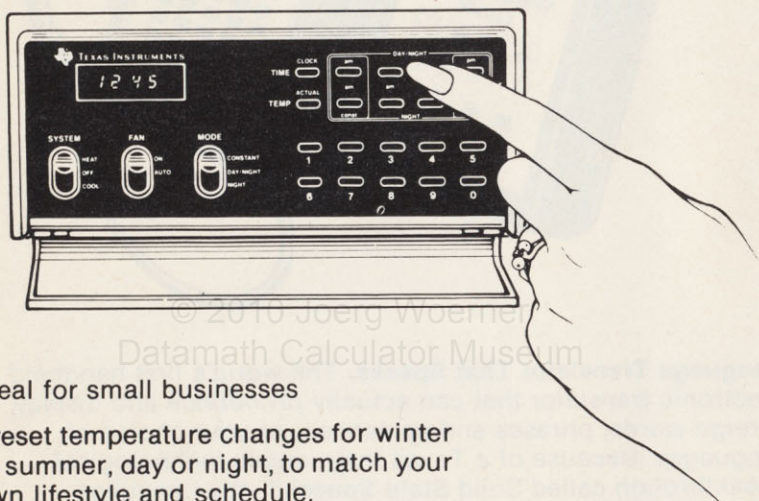
- Ideal for small businesses
- Preset temperature changes for winter or summer, day or night, to match your own lifestyle and schedule.
- Change to special weekend settings or revert to the standard constant setting instantly with the flip of a switch
- Cuts your energy costs so that it pays for itself in a few short months
- Easy do-it-yourself installation. Just connect the five color-coded wires.

Read what the U.S. Department of Energy reports on energy savings through automatic thermostat controls:

". . . an automatic setback device . . . pays for itself rather quickly and will continue to return savings for years to come . . . depending on your geographical location, the amount of energy you can save will range from 9 to 15 percent."

U.S. Department of Energy Publication
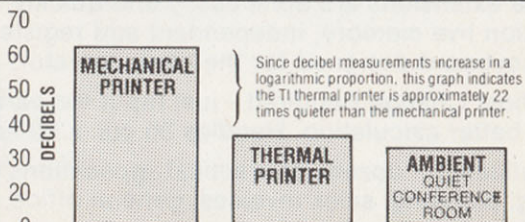DOE/OPA-0022 (2-78)

For your Information...

Thermal Printing
Fast, dependable, whisper-quiet

TI developed the thermal printer...the solid
state solution to the complexity and noise of
the typical mechanical printer. The TI 5230,
TI 5225, TI 5040, TI 5015 and TI 5025 all use this
type of printing.

- *Print Quality* — consistent with excellent
  contrast. No gradual fading associated
  with ribbon wear-out.

- *Non-smear print* — no ink means no
  smudge, as well as no mess associated
  with ribbon replacement.

- *Field-proven reliability* — less downtime,
  more productivity.

- *The only moving parts are those which
  advance the paper* — no more springs &
  hammers.

- *Economical to use* — eliminates the
  expense of ribbon replacement

- *Power-saving* — uses as little as
  one-third as much power as mechanical
 printing calculators.

NOISE LEVEL COMPARISON BETWEEN THERMAL[1] AND MECHANICAL[2] PRINTERS

DECIBELS: 70, 60, 50, 40, 30, 20, 0

MECHANICAL PRINTER

Since decibel measurements increase in a logarithmic proportion, this graph indicates the TI thermal printer is approximately 22 times quieter than the mechanical printer.

THERMAL PRINTER

AMBIENT QUIET CONFERENCE ROOM

1. TI-5225 WITH THERMAL PRINTER.
2. TI-620 WITH MECHANICAL PRINTER (This model discontinued).
AVERAGE READINGS. 18" FROM PRINTHEAD

Commercial Calculators

Introducing the TI-5230...the TIME SAVER. Provides a 50-70% time savings using unique set-up capabilities and automatic accounting features. Increased efficiency and accuracy through less keystrokes, resulting in fewer errors.
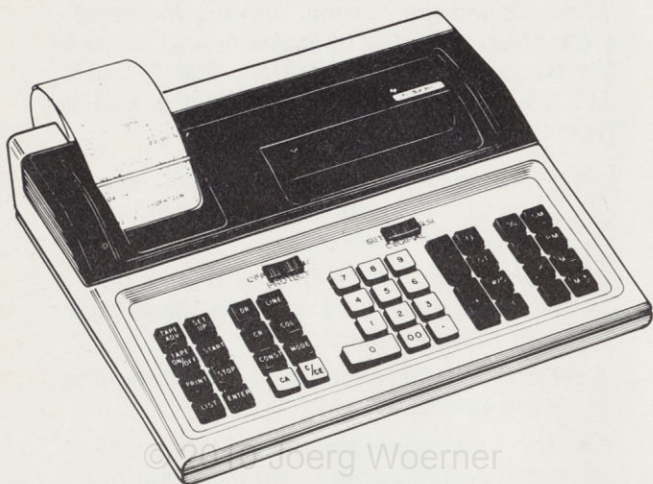
- Rapid Pay Back - 32 minutes time savings per day and the TI-5230 *pays for itself* in six months.

- Simple Operation - After initial "set up" the TI-5230 does most of the calculations and relieves you of repetitive keystroke operations.

- Multi-Purpose - can also be used as basic ten key or as an automatic accounting machine. Jobs such as prorating, crossfooting, reconciliations, debit/credit account balancing and invoice extensions are done easily and quickly. Four-function live memory, independent add register, and optimum keyboard designed for the clerk operator.

- No Worksheet Change Required - just input the variables for faster and better calculation. Handles 30 col. x 60 line matrix.

- Broad Application - dozens of practical applications including accounting, planning, sales invoices, general office, investments, mortgages, etc.

The TI-5230 comes with a User's Manual containing 38 useful applications and step-by-step instructions to set them up plus one roll of thermal paper. **Order No. 85201** (Uses thermal paper 35250 **Order No. 85220**.)
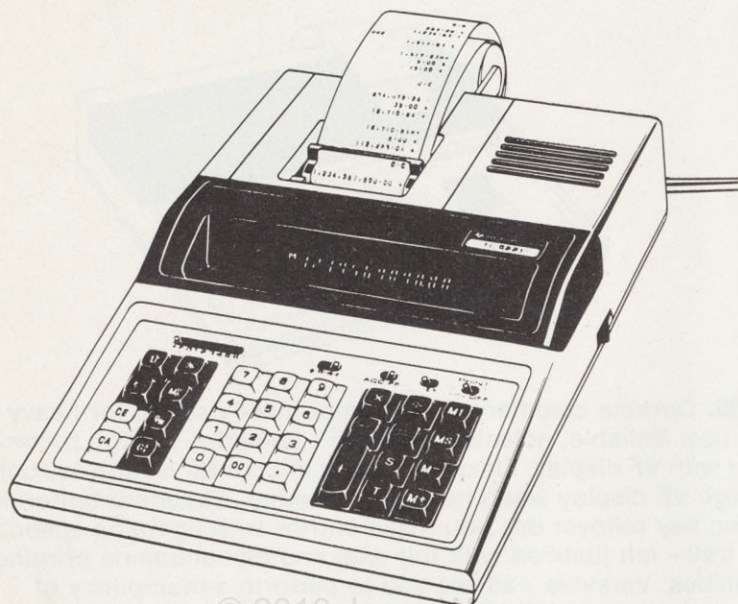
Commercial Calculators

TI-5225. Durable commercial calculator ideally suited for heavy office use. Reliable, noiseless printing - powerful 12-digit thermal printer with VF display. Flexible - switch the printer off and use only the large VF display when no tape is needed. Keyboard buffering and two key rollover lets you make entries with lightning speed. Audit trail - left justified with full-date and alphanumeric printing capabilities. Versatile - allows you to perform a multiplicity of different operations. Has a four-function "live" memory, grand-total register, independent add register, reverse key and much, much more. Includes dust cover, two rolls of paper, user's manual, and detachable power cord. **Order No. 85200.** (Uses thermal paper 27225 **Order No. 79969.**)

TI-5200. Compact and quiet desk-top calculator with versatility. Small enough to slide into a briefcase yet loaded with the features and functions you need. Convenient key arrangement permits complex problem-solving without looking at the keyboard. 12-digit display, large vacuum fluorescent numbers with punctuation. Four-key memory. Reverse key — recalls previous entry and reverses fractions. Two key rollover — touch speed for the efficient operator. 0-9 decimal position — fixed, floating or add mode operation. Includes adapter/charger 9171. **Order No. 83876.**

Commercial Calculators

© 2010 Joerg Woerner
Datamath Calculator Museum

TI-5221. Heavy-duty commercial calculator with impact printer, display and memory that's designed and tested for heavy office use. Yet it also includes a number of special features that make it ideally suited to many retail and cash register-type operations.

Large display plus convenient printing functions. Combines an easy-to-read, 12-digit vacuum fluorescent (VF) display with a rugged mechanical printer that provides permanent records. Printer capacity is 12 digits with comma and decimal point punctuation; a two-column audit trail makes it easy to keep track of each entry. Uses economical, standard-size rolls of plain paper. Two-color printing (blue/red) allows easy identification of positive and negative numbers.

Versatile, reliable operation. Handles addition, subtraction, multiplication and division, automatic percentages and calculations using constants. Keyboard buffering and two-key rollover let you make rapid entries. Four function "live" memory and independent add register provide capability equivalent to a powerful dual memory. Includes decimal selector switch, grand total register, subtotal key, automatic item count, change-sign key, double-zero key, automatic rounding selector switch, automatic accumulation or first factor accumulation operation and more.
Order No. 85526 (Uses standard tape **Order No. 59112.**)

Printer/Display

TI-5040. Performance, backed by a "dual memory" capability in an electronic calculator with display and/or printed tape. No springs, no hammers, no noise. Quiet operation of thermal printing without messy ribbon changing. A versatile calculator with percentages, memory, independent add register and green vacuum fluorescent display. **Order No. 79964.** (Uses thermal paper 27225 **Order No. 79969.**)

TI-5100 — "Touch system" key arrangement with big "plus" key and memory make this versatile desktop calculator ideal for business or home. Four-key electronic memory stores, adds, and subtracts numbers for later use. Item-count key simplifies inventory and calculation of averages. Full floating or preset decimal point facilitates working with dollars and cents. Answers are shown on big, bright green 10-digit vacuum fluorescent display with comma punctuation. **Order No. 66238**

Printer/Display

TI-5015. An attractive, economical desk-top calculator that prints a clear, legible tape. Solves complex accounting problems quickly and quietly. The grand total register automatically accumulates totals from the independent add register, while a special non-add operation key lets you print reference numbers without affecting calculations. **Order No. 81660.** (Uses thermal paper 27225 **Order No. 79969.**)

TI-5025 — handheld printer/display

TI-5025 Printer/Display. Portable, rechargeable calculator with thermal printer and 8-digit vacuum fluorescent display. Selective printing feature allows you to save paper by using the display only. Convenient entry system allows you to enter problems in the same order they are written—just like other TI handheld calculators. Also features percent key, four-key memory and automatic constant. Operates on rechargeable batteries or AC charger (included). **Order No. 84022.** (Uses thermal paper 12150 **Order No. 84403.**)
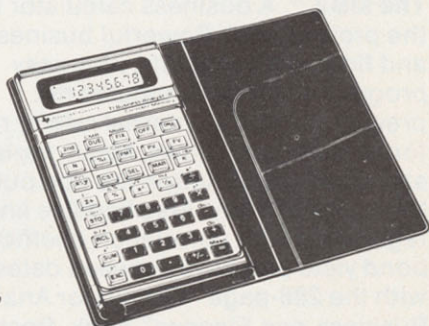
Business/Financial

Business Analyst I™. Provides direct application to business management, insurance, investment, sales/distribution, real estate, banking, accounting and personal uses. Direct solution of complex business calculations with preprogrammed financial functions. Includes *Keys to Money Management,* an easy-to-understand guide to solving common business problems. 8-digit LED display. Black vinyl carrying case included. Operates on a disposable 9-volt battery (not included). Optional rechargeable kit (RK-1/RK-2) available. **Order No. 85663**
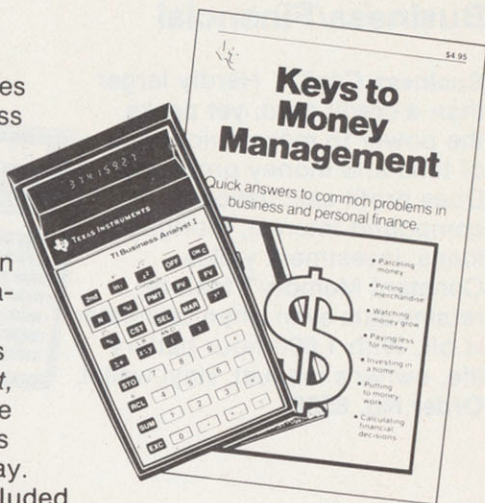
Slimline Business Analyst II™. A powerful business calculator for professionals and students in attractive slimline styling. Preprogrammed financial and statistical capability to handle a wide range of business calculations encountered in insurance, real estate, securities, buying or selling. Other features include an easy-to-read 8-digit LCD display. Constant Memory™, and battery life expectation of 1,000 hours. Includes batteries and vinyl wallet. **Order No. 84190**

Business/Financial

Business Card™. Hardly larger than a credit card, yet packs the power to make quick work of time and money problems. Does profit calculations, compound interest, mortgage loans, investment yields. Constant Memory™ feature retains data even when calculator is off. With 1,000-hour battery life, owner's manual, vinyl wallet. **Order No. 85387**
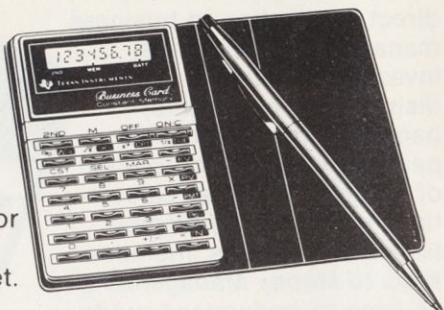
The MBA™. A business calculator for the professional. Powerful business and financial capability, plus easy programmability. Computes net present value and internal rate of return for variable cash flows. Mean, variance and standard deviation are computed at the touch of a key. Also handles linear regression with correlation coefficient, bond yield and days between dates. Comes with the 288-page "Calculator Analysis for Business and Finance" book. Rechargeable battery pack and adapter/charger included. **Order No. 82312**
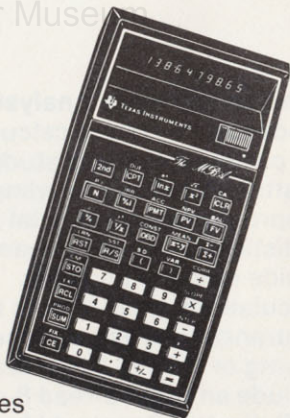
Programmable

TI Programmable 59

Program steps and memory registers are resources that can be allocated to meet your needs. Short problems with many numbers could require nearly all 100 memories — like budgets or statistical analyses. While long problems with lots of operations and few variables could require almost all 960 program steps — like stock options or orbital mechanics. The TI-59 gives you the flexibility to select a broad variety of combinations. Includes rechargeable battery pack and adapter/charger. **Order No. 81608**
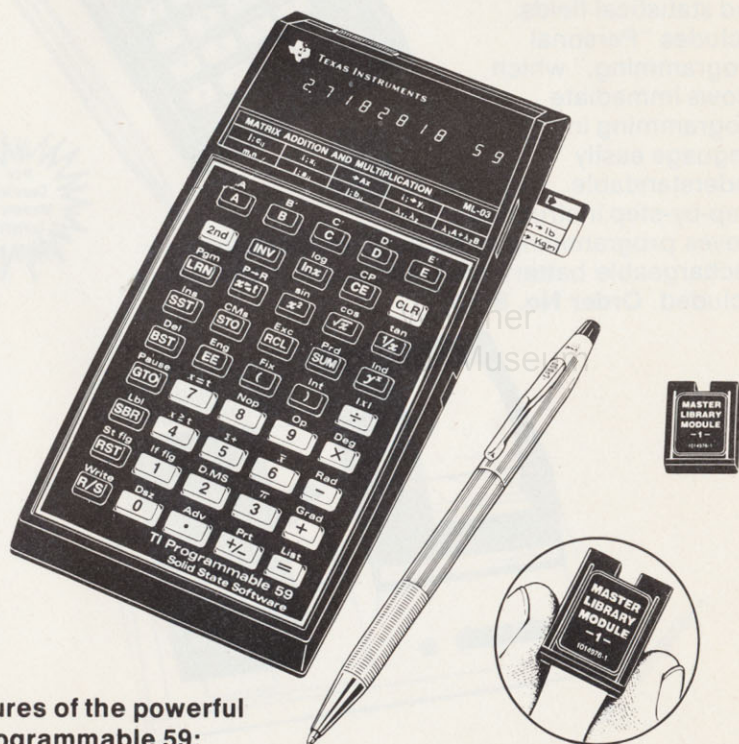
**Features of the powerful
TI Programmable 59:**

- Up to 10 additional test registers directly available for: Looping. Increment. Decrement.
- Up to 10 user flags available: Set. Reset. Test.
- Up to 6 levels of subroutines available.
- Complete program editing: Insert. Delete. Single step. Backstep. No-Operation.
- 10 user defined label keys.
- AOS™ algebraic operating system allows easy, straightforward problem solving. Key in your problem left-to-right, just as you would read or write it in standard mathematical terms.

Programmable

TI Programmable 58C. Revolutionary advanced personal programmable calculator with plug-in Solid State Software™ modules. Up to 480 program steps or up to 60 memories. When integrated with the Master Library Module it delivers up to 5000 steps. Over 170 functions and operations in scientific, engineering and statistical fields. Includes "Personal Programming," which allows immediate programming in language easily understandable. Step-by-step instruction proves programming to be easy and effective. Rechargeable battery pack and adapter/charger included. **Order No. 81607**

New Constant Memory™ feature.
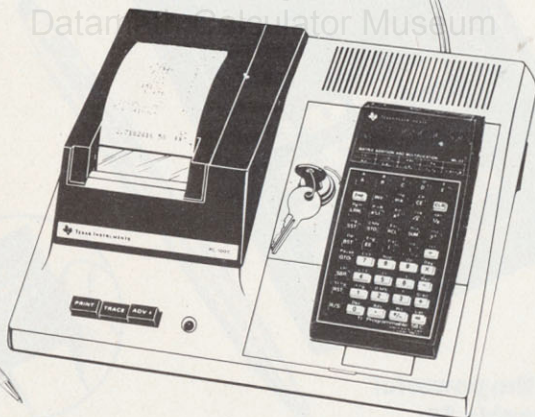
The **PC-100C** printer, plotter turns your TI programmable 58C, 59 into a quiet, high-speed printing calculator that prints, lists, and traces your program. Just push the LIST key for a printout of the entire program. Push the TRACE key and every calculation that's performed in your program is printed — the full number and the operation.

The PC-100C performs quietly and reliably using a non-impact thermal printer developed by Texas Instruments — the leader in thermal printing technology. **Order No. 66239.** (Uses thermal paper 30250 **Order No. 69433.**)
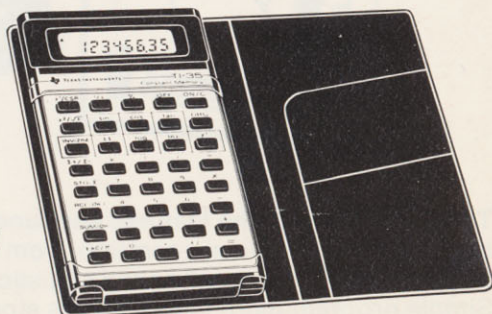
Slide Rule

TI-30 Student Math Kit. For high school students. 48-functions with convenient 4-key memory which stores and recalls numbers, adds displayed values to memory and exchanges memory with display. Uses TI's unique AOS™ algebraic operating system, enter problems just as they're written. Battery operated. AC adapter/charger and battery pack optional.
**Order No. 79965**

Slimline TI-35™. Economical scientific calculator in slimline style. Constant Memory™ feature retains data *even when the calculator is turned off.* 54 functions with TI's unique AOS™ algebraic operating system. Large, easy to read liquid crystal display. Two miniature batteries provide up to two years of normal operation. Includes handy vinyl wallet case. **Order No. 85385**

Slide Rule

Slimline TI-50™. Super-powerful scientific calculator in slimline style with full statistics, and two memories with TI's new Constant Memory™ feature. Performs the most-needed slide rule functions: Roots. Powers. Reciprocals. Common and natural logarithms. Trigonometry—in degrees, radians or grads. Other features include an 8-digit LCD display with angular mode and battery condition indicators, and battery life expectation of 1,000 hours. Batteries and vinyl wallet included.
**Order No. 84191**
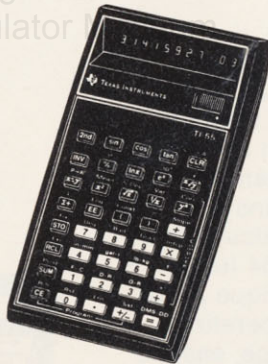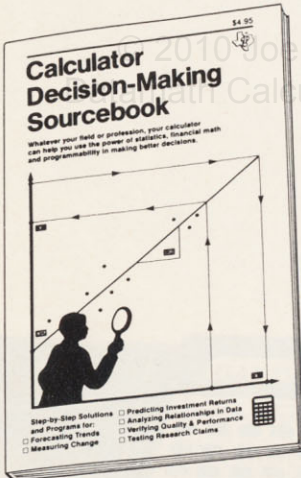
TI-55. Packed with the features and functions needed to handle most any mathematical operation, from logarithms and trigonometry to more advanced statistical problems. Simple programming feature allows storage of up to 32 keystrokes for solving repetitive problems. Includes 175 page "Calculator Decision Making Sourcebook" illustrating how to use the power of statistics and math of finance in problem solving. Rechargeable battery pack and adapter/charger included.
**Order No. 83670**

General Purpose

Slimline TI-1010™. Now handling everyday math is a snap! Economical, pocket-portable six-function calculator is easy to read with a large, eight-digit liquid crystal display. Sleekly styled, it's lightweight and thin as a pencil. Goes anywhere you go in its durable vinyl case. Performs addition, subtraction, multiplication, division, square roots, and even percentages. An automatic constant eliminates the need to reenter numbers and an automatic powerdown prevents accidental battery drain. Battery included. **Order No. 85524**

Sleek slimline design — as thin as a pencil.
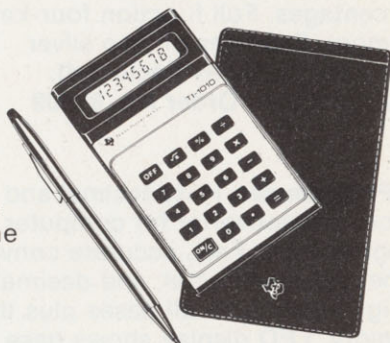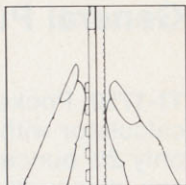
TI-1025. Portable calculator with memory. The four-key independent memory is ideal for keeping running subtotals or for maintaining convenient cross-references. Features include percent key, change sign key, automatic constant and floating decimal point. 8-digit vacuum fluorescent display is easy to read. Operates on disposable 9-volt battery (not included). Optional AC adapter is available. **Order No. 81657**
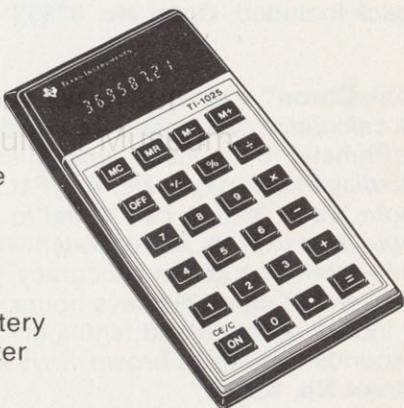
Slimline TI-1030™. Economical LCD pocket-portable calculator. Features include thin styling, 8-digit liquid crystal display, four-key memory, percent key, square root key. automatic constant and electronic on/off. Also features APD™ automatic power down which prevents accidental battery drain by automatically turning the unit off after about four minutes of non-use. Up to 3000 hours normal operation on a set of two silver oxide batteries (included). **Order No. 84018**
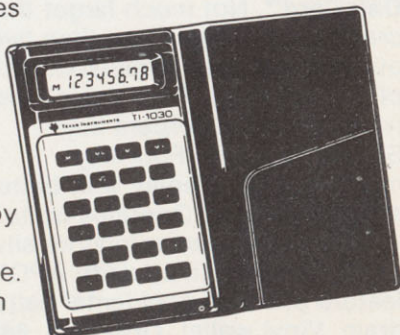
General Purpose

TI-1750. Pocket portable electronic calculator with memory. Weighs only 2½ ounces. Performs add-ons, discounts, square roots, percentages. Full function four-key memory. Operates on two silver oxide dry batteries (included). In vinyl wallet. **Order No. 81609**
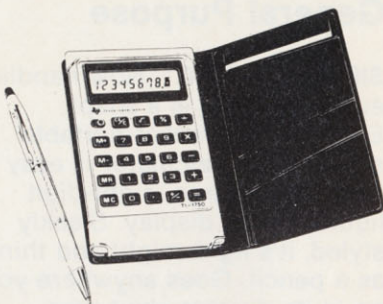
TI Programmer. Hexadecimal and octal calculator/converter for computer programmers. Fast, accurate conversions in hexadecimal, octal, and decimal bases. 8-digit capacity in all bases plus three key memory. LED display shows base used. Adapter/charger and rechargeable battery pack included. **Order No. 83553**

DataChron™. Handy, pocket-size trio. A *calculator* performs most-needed arithmetic functions. A *clock/alarm* displays time, day, date, AM/PM. 24-hour alarm feature can be set to any hour and minute. A *stopwatch* with one-tenth of a second accuracy. Stopwatch mode displays hours, minutes, seconds and tenths of seconds. Comes in brown vinyl wallet. **Order No. 83575**
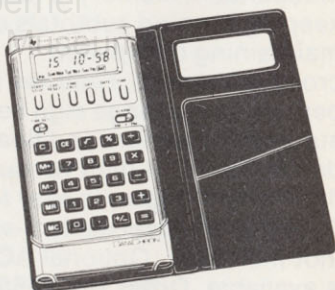
DataCard™. Not much larger than a credit card, weighs less than two ounces, less than three-sixteenths of an inch thick! Four basic functions. Versatile percent key. Square root key. Four-key memory. LCD display with battery status indicator. Operates up to 1500 hours on two miniature silver oxide batteries (included). APD™ feature prevents accidental battery drain. Vinyl wallet. **Order No. 84877**
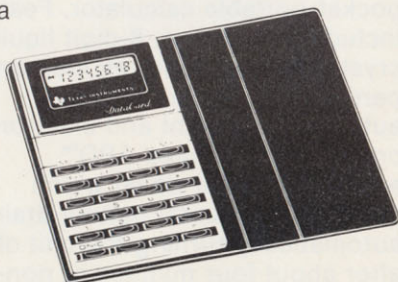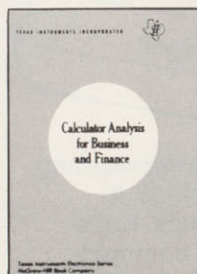
Books
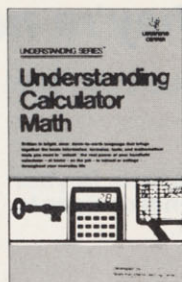
Understanding Calculator Math. Written in bright, clear, down-to-earth language that brings together the basic information, formulas, facts, and mathematical tools you need to "unlock" the real power of your calculator. At home. On the job. In school or college. Throughout your everyday life. In simple, non-technical language this book shows you how to handle problem solutions you may never have imagined possible on your calculator. Scores of keystroke examples are included in chapters such as: *Basic Keys; Turning to Home Management; Keys to Home Management; Keying Up Conversions; Unlocking Algebra; Latching on to Trigonometry; Cracking Probability and Statistics; Securing Physics and Chemistry; Closing on Puzzles and Games.* **Order No. 85454**
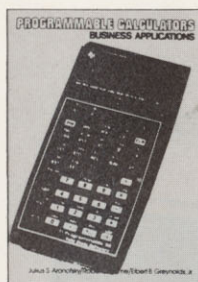
Programmable Calculators Business Applications. Many programmable calculators have greater capability than the computer of the 1950's. Much of the material written about programmables, however, is directed at scientific and engineering applications. The authors use Texas Instruments calculators to illustrate the capabilities of programmables in financial and business applications. Different TI calculators with varying programmability are discussed early in the book to allow the reader to compare various models. The text proceeds from an introduction to manual calculator operation; to beginning programming; to advanced programming techniques. **Order No. 84216**

Calculator Analysis for Business and Finance. This book shows you how easy calculator analysis of business and financial problems can be. It is written in an understandable and easy-to-follow style. Included are more than 100 real-world examples that show you step-by-step how to make calculator analysis work for you as never before. Chapter 1 contains a basic overview and discussion of compound interest and annuities situations. Chapters 2 thru 6 cover applications for an array of specific fields. Chapters 7 thru 9 provide applications of statistical methods for finance and business. The calculator keystrokes and descriptions used in this book were based on The MBA™ advanced business calculator with the AOS™ algebraic operating system from TI. **Order No. 84192**

Electronic Learning Aids

They're not

Doctors use them • Teachers use them •

Imagine the pleasant response from parents in your office when you provide these educational devices to entertain their children while they wait.

Speak & Spell™
Electronic Learning Aid

Introducing Speak & Spell™ from Texas Instruments — the remarkable talking learning aid with electronic voice and brain.

Truly a revolutionary product—Speak & Spell is a talking learning aid for building spelling, pronunciation and reading skills. It actually creates speech with microcomputer electronics. Not a pull-string, tape or record. More than 200 of the most common reading and spelling stumbling blocks are programmed in Speak & Spell's computer-like memory. Word and spelling games add an extra dimension of fun to Speak & Spell. A 32-page illustrated fun activities book is included. Operates on 4 C-cell batteries (not included). Speak & Spell—another Learning Center™ electronic learning aid from Texas Instruments. **Order No. 84020**

just for kids!

You should use them too if your clientele has children

**Plug-In Word Modules
expand the power of** Texas Instruments
Speak & Spell™
Electronic Learning Aid
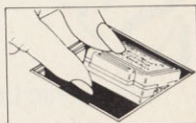
Vowel Power™. Presents words and spelling concepts introduced in 2nd and 3rd grades and reinforced in 4th grade. Develops skills in recognizing and managing vowel patterns, the *basic building blocks* of the English language. Select one of these four categories to study and learn.

- Short vowel words
- Long vowel words
- Diagraphic vowel words
- R-controlled vowel words

Order No. 85038
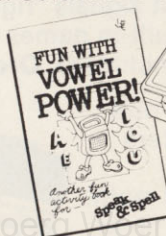
AVAILABLE NOW

Super Stumpers™ Grades 4-5-6
Additional practice spelling difficult words most often used and frequently misspelled by students in grades 4, 5 and 6. Four levels of difficulty. Problem areas spotlighted.

- Silent letters
- Irregular spelling
- Double consonant
- More than one spelling for the same sound

Order No. 85658

Texas Instruments

AVAILABLE NOW

Super Stumpers™ Grades 7-8.
Includes the words most often used and misspelled by students in grades seven and eight. Four levels of difficulty. Helps students master words that often cause difficulty for high schoolers. Prepares students for more demanding writing assignments.

Order No. 85659

AVAILABLE NOW
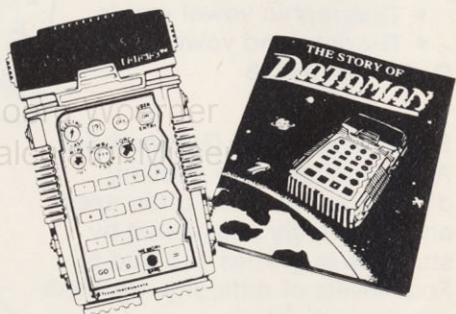
Electronic Learning Aids

Spelling B™

Electronic Learning Aid

Spelling B™. An innovative electronic spelling aid that uses word/picture association techniques. Comes with a picture book containing 264 colorful pictures of familiar objects. Spelling B displays a random picture number. The child finds the numbered picture in the book and spells the name of the picture by pressing the letter keys. The unit signals "right" or "wrong," and keeps score automatically. Built-in games add fun and variety. Operates on 9-volt battery (not included). **Order No. 84019**

DataMan™. An exciting new learning aid for youngsters seven and up. Includes automatic drills in basic math, exciting games, built-in timer and score keeper, design-your-own practice sessions and "Scoreboard Spectacular" display. Battery-saver feature prevents accidental power drain. Operates on disposable 9-volt battery (not included). **Order No. 82311**

THE LITTLE PROFESSOR™

Electronic Learning Aid

Little Professor™. Learning aid preprogrammed with over 16,000 problems in the basic four functions of math. Easy to use (designed for children five through nine). Involves children in mathematics through an enjoyable "instant feedback" situation. Youngster selects one of four levels of difficulty. Includes "Fun with Math Facts" book. Operates on disposable 9-volt battery (not included). **Order No. 79966**

See warranty information on back page.

Electronic Learning Aids

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