

TEXAS INSTRUMENTS CALCULATORS 1988

You can count on us.





TI-95 PROCALC™

TI's top-of-the-line scientific programmable calculator.

The TI-95 PROCALC contains a full range of scientific, mathematical, and statistical functions for the student or professional. The TI-95 uses redefinable function keys to provide over 200 calculator functions without the keyboard clutter or the need to memorize and enter obscure keywords. The TI-95 system provides expansion capability so users can add memory, software and peripherals.

A new standard in programming power. The TI-95 PROCALC™ programs as easily as it calculates—without compromising power. Its straightforward keystroke language includes branching, sub-routines, tests, flags, file operations, and alpha capability. Alphabetic mnemonics make easy editing.

Full program control of redefinable function keys and display windows lets you create your own unlimited set of functions.

A new standard in calculating power.

TI Algebraic Operating System (AOS™) with visual audit trail makes calculations as easy as writing them down. An unprecedented set of built-in scientific functions includes permutations, combinations, least common multiple, prime factors, random number generations, metric conversions, hyperbolic trigs, and cubic and quadratic equation evaluation. Calculations can be made in decimal, hexadecimal, or octal number bases.

A new standard in memory power.

The TI-95 has a convenient memory file storage system to store programs and data by name. You can partition the 8K bytes of internal random access memory to suit your needs. Maximums: 900 data registers. Or 7200 program steps. Or 6200 bytes of memory file space to store custom programs and data.

High-tech styling heightens user comfort.

A typewriter-style elastomeric keyboard lets you "feel" each keystroke and helps prevent missed or double entries.

The TI-95 comes with a comprehensive user's guide, a programming guide, and a sturdy hard-plastic carry case.

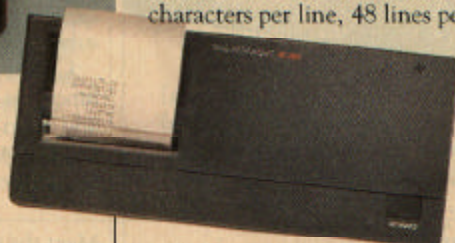
A wide variety of optional accessories lets you increase its convenience, its power, and its value.

CI-7 Cassette Interface Cable

Lets you use a standard audio cassette tape recorder as an economical information storage system. Programs and data can be stored on cassette tape for later retrieval and use.

PC-324 Printer

Provides a method of printing programs or results of calculations. Prints 24 characters per line, 48 lines per minute.



It is powered by batteries or an optional AC adapter. Either the batteries or the AC adapter supply power the TI-95.

8K RAM Constant Memory™ cartridge

For fast, removable file storage, execute program files directly from the calculator's file space or RAM cartridges.

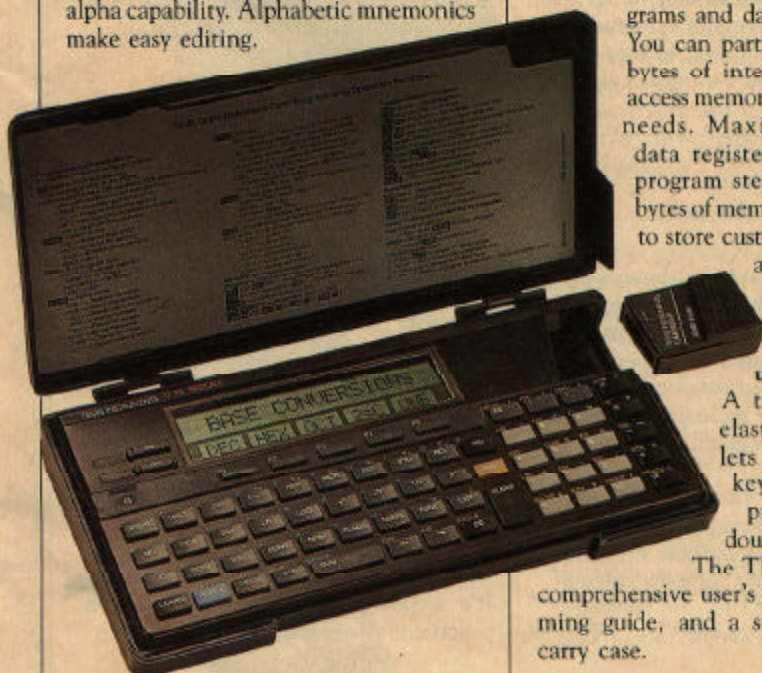
Solid State Software Cartridges

Mathematics. Contains 26 programs for the ultimate in advanced math problem solving. With the math cartridge you can solve systems of linear and non-linear equations, find roots of any function, perform computations with complex numbers, do matrix math and more.

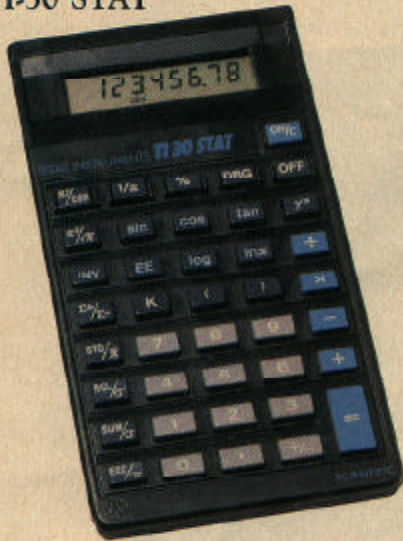


Statistics. Contains 27 programs which provide a range of basic and advanced statistical computations. The programs allow input of a data set for computations of means and moments, histogram generation and comparison to 6 theoretical distributions, one-way and two-way analysis of variance, multiple regression, and t-tests.

Chemical Engineering. Contains 19 useful programs for students and professionals. Programs range from estimating the physical properties of a compound to the design of equipment.



TI-30 STAT



Scientific calculator for junior and senior high school students.

The TI-30 STAT performs 54 of the most used scientific and statistical functions and is designed for use by junior and senior high school students.

It's simple and easy to use because the AOS™ operating system lets you enter problems from left to right, just as they are normally stated.

The TI-30 STAT performs common and natural logarithms and antilogarithms, reciprocals, powers, roots, factorials, and trigonometric calculations, including inverses, in degrees, radians or grads.

Statistical functions include mean and standard deviation for both sample and population data.

Constant Memory™ feature retains a number in the memory even when the calculator is switched off.

Numbers can be entered and results displayed in either floating decimal or scientific notation (for very large or very small numbers). The LCD display shows 8 digits or 5 digits and a 2-digit exponent.

APD™ feature automatically "powers down" the calculator if no key is pressed for 15 to 35 minutes.

The quick reference card in the case provides an on-the-spot summary of key sequences and functions.

TI-74 BASICALC™

A BASIC language programmable calculator that features advanced scientific functionality.

The TI-74 BASICALC™ calculator gives you more problem-solving power than any other calculator at a comparable price.

It's programmable in the popular, easy-to-use BASIC programming language and also features the functionality of an advanced scientific. A potent and accommodating combination.

(continued on next page)



It's user-friendly because you program it in simple, straightforward BASIC language, and the AOS™ algebraic operating system lets you enter problems just as they are normally written, left to right.

The TI-74's capacity is considerable: 8K bytes of built-in RAM, and another 8K available in an optional plug-in cartridge. Both have Constant Memory™, a feature that retains your data even when the calculator is switched off.

The display shows up to 31 large alphanumeric characters (scrolls left or right to 80) and 14 status indicators.

The TI-74 BASICALC comes with a 109-page user's guide and a 215-page BASIC programming reference guide.

Optional Accessories

PC-324 Printer

This 24-column thermal printer enables the TI-74 to print program listings, data, problems, and the results of calculations. It can be powered by batteries or an optional AC adapter. Either the batteries or the AC adapter supply power to the TI-74.

TI-74 Learn BASIC Guidebook

If you want to learn BASIC programming, this lesson-oriented book written specifically for the TI-74 is for you.

CI-7 Cassette Interface Cable

Enables the TI-74 to use a standard audio cassette recorder as an economical information storage device.

8K RAM Cartridge

A cartridge that can be used two ways: to expand the memory capacity of the calculator or to serve as a removable unit for storing a BASIC program and its associated data.

Solid State

Software™ Cartridges

Learn Pascal.

Enables the TI-74 to be programmed in Pascal. A User's Guide gives a thorough introduction to Pascal while a Reference Guide clearly describes this full-featured language.

Mathematics. This software cartridge contains 14 programs for advanced math problem solving. With the math cartridge you can find roots or minima of any function,



solve systems

of linear equations, perform computations with complex numbers, do matrix math and more.

Statistics. Contains 14 programs which provide a range of basic and advanced statistical computations. These programs allow input of a data set for computations of means and moments, histogram generation and comparison to 4 theoretical distributions, one-way and two-way analysis of variance, t-tests and more.

Finance. A full selection of financial computations including time-value-of-money for loans

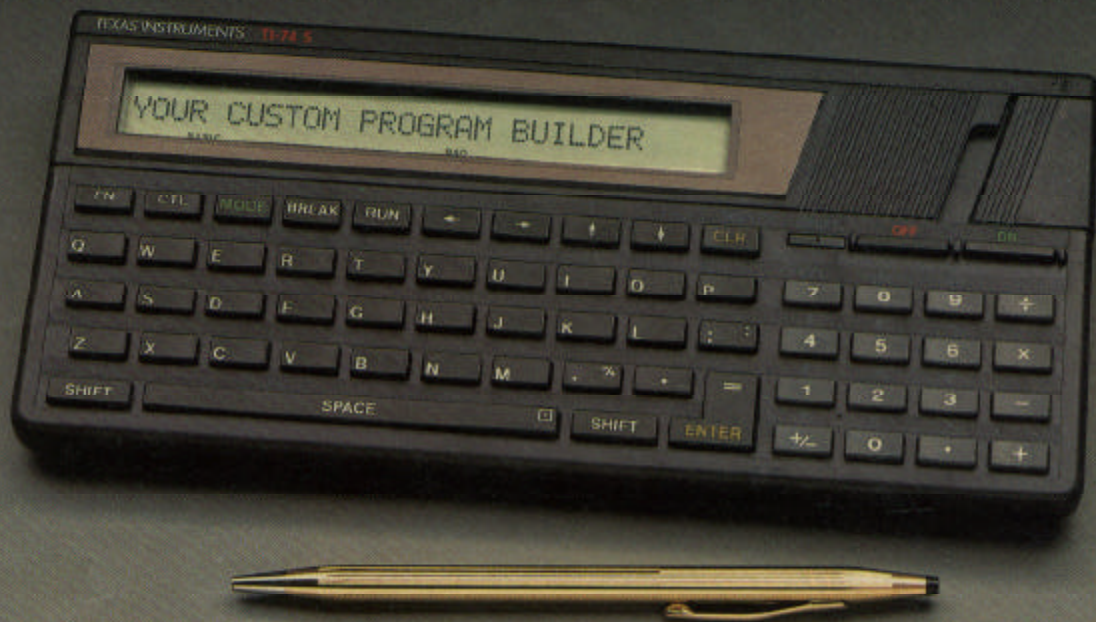
and investments, cash flow analysis for computations where payments vary, true cost of insur-



ance, and rent versus buy decisions. **Chemical Engineering.** Contains 19 useful programs for students and professionals. Some applications are: pipe analysis for liquid flow, thermodynamics computations, heat exchanger and distillations design, and absorber analysis.



Now Texas Instruments can develop modules that work with handheld computer systems to fit your specific applications.



Instant time and cost savings for any type of business.

Texas Instruments can integrate formulas, estimating procedures, flow charts, books, reference tables and other frequently-used or lengthy data into one handheld computer tailored to fit the very specific needs of your business. A preprogrammed customized module plugs into TI's powerful handheld computer. Whether in the field, plant, lab, or office, you get instant answers at the touch of a button. In turn, you'll increase productivity, efficiency and cost savings. You can also connect a printer for fast hard copies of results.

■ Business applications are virtually limitless.

Customized modules — working with TI handheld computer systems — are currently delivering unprecedented productivity and savings to businesses in such diverse fields as accounting, medicine, chemical and mechanical engineering, insurance, sales, manufacturing, finance, construction and real estate.

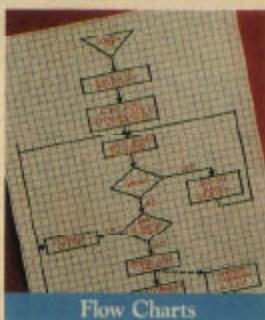
■ No more scratch pads, guesswork or unproductive time.

The cost-efficient TI handheld computer can eliminate running back to the office for cost estimates... spending valuable time crunching numbers in front of clients... and recalculating the entire problem for "what if" situations.

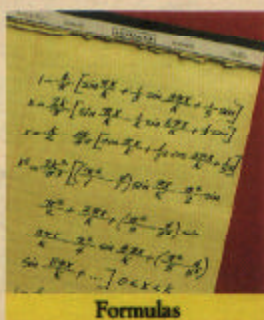
■ Critical time savings.

By carrying a handheld computer with

Texas Instruments will program vital information into a single module, customized to your unique applications. Enter such data as...



Flow Charts



Formulas



Reference Tables



a module preprogrammed with special formulas for blood gas analysis, anesthesiologists at one hospital were able to interpret results instantly and inform surgeons of the patient's condition, saving valuable seconds.

■ Cost reductions and productivity improvement.

A plumbing contractor was able to save \$1200 with each building he constructed by reducing the number of pipe fittings needed.

■ Man-hours cut dramatically.

By reducing calibration time 75%, a

chemical company was able to realize a savings of 1,056 man-hours per field technician.

■ Improved accuracy.

A group of ophthalmic surgeons was able to decrease the incidence of pre-operative measurement errors.

No system has ever been more compact, cost-effective or comprehensive.

To find out how Texas Instruments can make your business more productive, contact your nearest TI Field Sales Office.