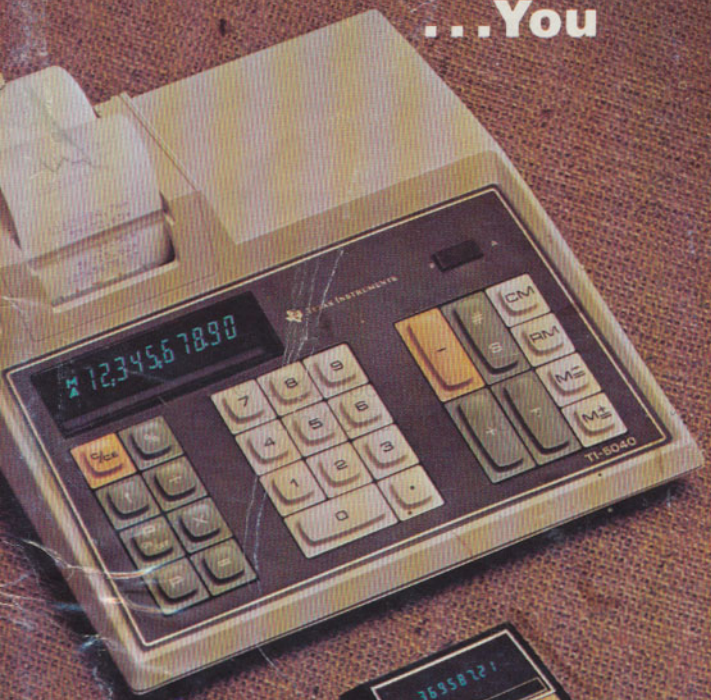
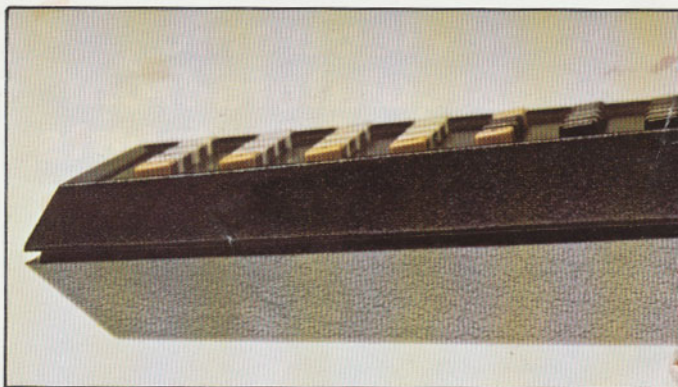


**electronic
calculators from
Texas Instruments
For home. School.
Business. Science.
...You**



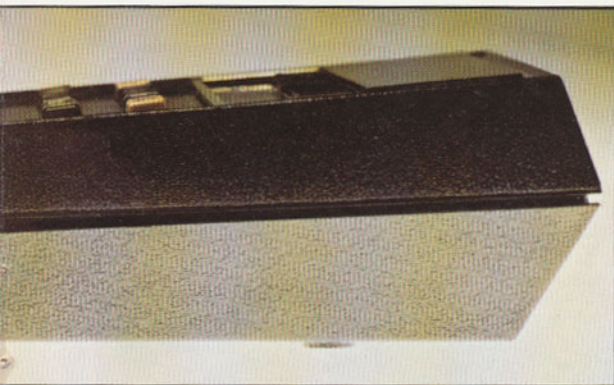


When you choose your electronic calculator, consider quality. Consider TI.

There's a difference in electronic calculators. Among almost numberless names and models, one brand stands out. Texas Instruments. Here's why:

The electronic calculator is a highly scientific, state-of-the-art instrument embodying some of today's most advanced technologies. It's logical, then, to look first to the manufacturer known world-wide for leadership in both calculators and the technology behind them — Texas Instruments. The catalyst for the calculator boom was the integrated circuit, a tiny chip of silicon combining the amazing computational power of thousands of transistors. Texas Instruments invented the original integrated circuit and has produced more of them than any other company in the world. In advanced technology, know-how and experience are the keys to quality. TI knows how.

Texas Instruments has long been a leader in solid-state technology and has pioneered a series

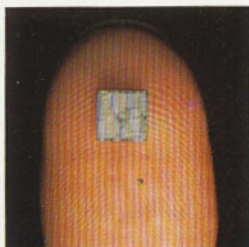


of landmark developments relating directly to calculators, in addition to the original integrated circuit: Key patents in the basic Metal-Oxide-Semiconductor (MOS) technology used in calculators. The "calculator-on-a-chip" integrated circuit which became the heart of miniature calculators. And, the basic patent on the miniature calculator itself.

Texas Instruments is steeped in calculator technologies from start to finish, designing and manufacturing all critical parts from start to finish. So, we design in and control quality – not just monitor it – every step of the way.

Know-how, experience, and start-to-finish quality control – these are the keys to the exceptional quality and craftsmanship in Texas Instruments calculators. Before you choose, consider quality. Consider TI.

The integrated circuit combines the computational power of thousands of transistors in a tiny chip of silicon. Texas Instruments is known worldwide for leadership in this advanced technology.





© 2010 Joerg Woerner

TI Little Professor™

A unique electronic learning aid designed to help children age 5 and up practice basic arithmetic. The Little Professor and a special bonus activity book bring the excitement of a space age game to the time-proven flash card approach to mathematics education.

Problem solving is fun when a child learns at his own pace, individually or with friends, and experiences the satisfaction that comes with success.

The durable Little Professor is preprogrammed with over 16,000 basic problems in addition, subtraction, multiplication and division at four levels of achievement. To provide a continuing challenge to children as their skills grow.

A single arithmetic function and level of achievement may be practiced repeatedly to sharpen weaker skills, or the student can rotate the functions to take advantage of the wide variety of problems available in the Little Professor. As he gains confidence and skill he can move up the scale to try the tough "brain teasers" that chal-

lenge even the experts.

The Little Professor is easy to use. First the child selects the operation to be practiced (by pressing the +, -, \times or \div key) and the level of achievement desired (with the four-position switch on the side of the unit). Pressing the "SET" and "GO" keys displays the first problem to be solved (such as $3 \times 2 =$).

The child then has three tries to enter the correct answer through the keyboard. If the correct answer is entered, the completed equation ($3 \times 2 = 6$) is displayed for one second and a new problem appears.

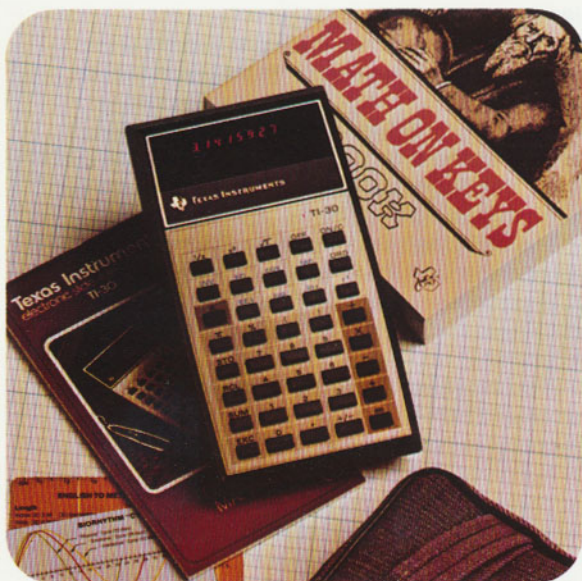
If an incorrect answer is entered the display shows "EEE" (error) for one second and two more opportunities are given. If the correct answer is not given in three tries, the completed equation appears in the display, giving the child the correct answer. Pressing "GO" displays the next problem.

As an additional incentive the Little Professor displays the score of correct first answers after each set of 10 problems. Pressing "SET" and "GO" starts the learning process again.

Included with the Little Professor is "Fun With Math Facts," a stimulating 28-page book that offers a wealth of interesting math exercises for children to complete themselves. With 18 illustrated learning games and activities and helpful tips for parents.

Designed for safe, dependable performance. Operates on disposable 9 volt battery (not included).





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Datamath Calculator Museum

The TI-30 Student Math Kit

Designed specifically to meet the needs of the math student as his skills grow from high school to college and into a career. This complete, economical calculator-based math system contains the powerful TI-30 slide-rule calculator, 224-page "Math on Keys" applications book and durable simulated denim carrying case.

The TI-30 is a versatile 48-function calculator that performs arithmetic, percentages, squares and square roots, reciprocals, powers and roots, logarithms and trigonometry. Convenient 4-key memory stores and recalls numbers, adds displayed values to memory, and exchanges memory contents with display.

Bright 9-character LED display shows eight digits and sign in standard format; 5-digit mantissa, 2-digit exponent and 2 signs in scientific notation.

TI's unique Algebraic Operating System (AOS) with 15 levels of parentheses handles up to 4

pending operations for simple, straightforward operation. Allows difficult equations to be entered just as they are stated without rearranging the problem.

"The Great International Math on Keys Book" contains valuable operating tips that unlock the full potential of the TI-30 calculator. Includes math facts and key formulas for home, school, business and science. With puzzles and games that make math fun.

The attractive vinyl case protects the calculator when not in use and has a handy loop for carrying.

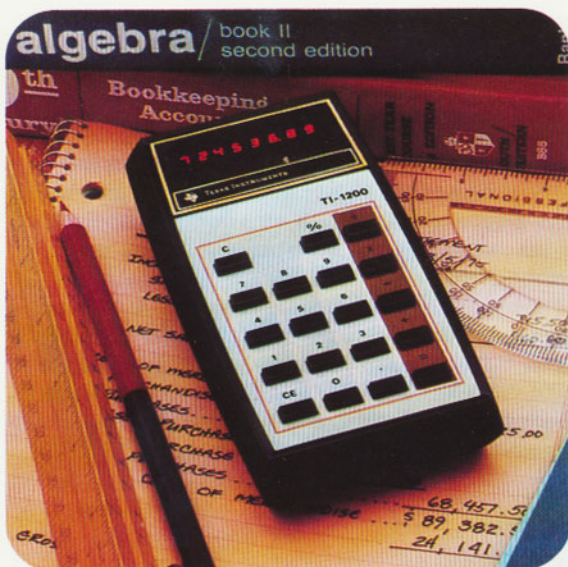
The TI-30 calculator operates on a disposable 9-volt battery (not included) — an optional accessory kit converts the TI-30 to a fully rechargeable calculator.



**Discover new ways
to use your TI-30
with the informative
"Math on Keys"
applications book.**

More than 200 pages of useful and interesting information about calculators, mathematics and the world around you. Designed to help you use the TI-30 slide-rule calculator as part of a problem-solving system as well as a key to discovery. Describes each TI-30 key and how to use it with chapter titles and topics including:

- Keying up Conversions
- Keys to Home Management
- Unlocking Algebra
- Turning to Business & Finance
- Latching onto Trigonometry
- Cracking Probability & Statistics
- Securing Physics & Chemistry
- Closing on Puzzles & Games
- Tables/Charts/Appendices



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The TI-1200

An affordable calculator you can carry in your pocket, briefcase, or purse, styled to be used comfortably in your hand or at your desk. Adds, subtracts, multiplies, divides, and figures percentages instantly and accurately. Other features include automatic constant, full floating decimal, 8-digit display. Operates on replaceable battery or AC (adapter available as an optional accessory).



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The TI-1250

A lightweight and economical calculator offering a full function memory system that features add to memory **M+**, subtract from memory **M-**, memory recall **MR**, and memory clear **MC** keys. Five-function capability includes addition, subtraction, multiplication, division, and a percent key for calculating percentages, taxes, discounts. Change-sign key for entering negative numbers. Automatic constant eliminates reentering the same number for repetitive calculations. Full floating decimal, 8-digit display. Operates on replaceable battery or AC (adapter available as an optional accessory).



© 2010 Joerg Woerner
Datamath Calculator Museum

The TI-1265

A convenient, attractive solution to everyday math that combines five-function operation with versatile electronic memory. The TI-1265 has a large 9-character vacuum fluorescent display that shows up to eight digits with floating decimal. Indicates negative values, overflows and presence of number in memory. Other features include change-sign key and automatic constant. Operates from a disposable 9-volt battery or AC (adapter available as an optional accessory).



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Datamath Calculator Museum

The TI-1270

An extra function economy calculator specifically designed for secondary school students, 7th grade and up. Basic four functions plus reciprocals, squares, square root, π (Pi), and change-sign.

Has a memory to store displayed number and recall for later use without affecting the calculations in progress.

The algebraic entry system allows problems to be entered in the same order they are stated.

Bright red 8-digit LED display shows all numbers, decimal point, negative sign, and overflow and error conditions.

Operates on disposable batteries. (Not included with calculator). Convenient AC adapter available as an optional accessory for operation from standard house current.

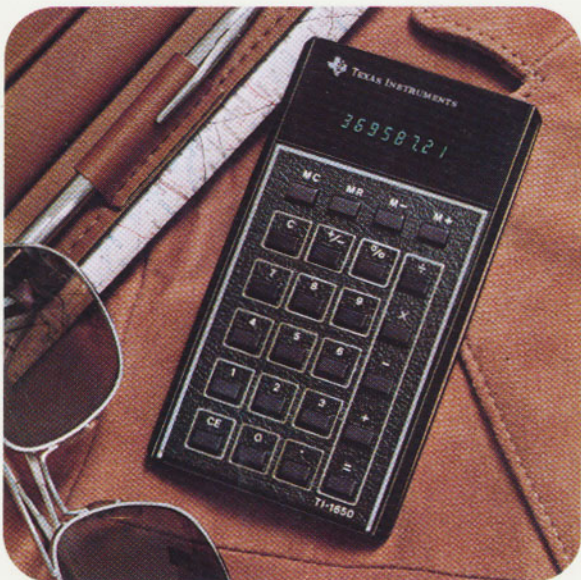


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The TI-1600 Math Calculator Museum

A slimly styled calculator featuring four-function capability plus percent key, automatic constant in all four functions, and easy-to-read 8-digit vacuum fluorescent display. A change-sign key helps solve complex problems. The handsome new slim styling gives you all this capability in a truly portable pocket calculator. And, it's easy to use. Solve problems by simply pressing the keys just as the problem is stated.

The fully portable TI-1600 operates from a fast charge battery providing 3 to 5 hours of continuous use before recharging and operates from standard house current. AC Adapter/Charger and carrying case included with the calculator.



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The TI-1650 Math Calculator Museum

Attractive slim styling plus powerful memory and large easy-to-read 8-digit vacuum fluorescent display. Adds, subtracts, multiplies, divides and has a percent key to calculate percentages, taxes and discounts. A change-sign key helps solve complex problems. Simply press the keys the way the problem is stated.

Four-key memory lets you add to, subtract from, recall or clear the memory without affecting the numbers in the display.

An automatic constant provides for repetitive addition, subtraction, multiplication and division of a number by a constant.

Fast charge battery provides 3 to 5 hours of continuous use before recharging and operates from standard house current. The Adapter/Charger and carrying case are included with the calculator.



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The TI-2550-III Calculator Museum

Richly styled yet easy to use and easy to read with large, bright green 8-digit vacuum fluorescent display. A rechargeable calculator with keyboard functions useful to businessmen as well as engineers and students.

Has a full-function memory system: Add-to **M+** and subtract from **M-** memory. Recall **MR** and clear from **CM** memory.

Special functions include reciprocals, squares, square roots and percent. Change-sign key for ease of problem solving. And reverse **RV** to invert fractions and recall next-to-last entry during addition and subtraction. Automatic constant permits repetitive addition, subtraction, multiplication or division of a number by a constant. All results are calculated with full-floating decimal.

Fast-charge battery pack provides 3 to 6 hours of continuous use before recharging. AC adapter/charger, owner's manual and carrying case included.



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TI Money Manager

Manage your personal finances with a powerful calculator that's easy to use. The TI Money Manager solves complex financial problems automatically and accurately . . . just enter the basic figures and the calculator does the work.

Special preprogrammed keys are used to solve a number of common problems—Household budgets. Installment purchases. Mortgage loans. Savings accounts. Investments. And more.

Time and money variables can be entered in any order . . . and changed independently to evaluate the results of longer loan terms, higher interest rates and larger down payments.

The TI Money Manager also performs basic arithmetic, percentages, trend forecasting and scientific functions. Has a convenient 4-key memory for storing and recalling frequently used numbers.

Operates on a 9-volt replaceable battery (not included)—optional accessory kit converts the TI Money Manager to a fully rechargeable calculator.



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The TI-5040 Math Calculator Museum

A quality electronic calculator with an easy-to-read display and printed tape. Large, bright vacuum fluorescent readout displays up to ten digits with comma punctuation. Quiet, electronic printer provides record of calculations with audit symbols. Fully selective printing from single numbers to complete calculations.

A four function memory allows you to add to, subtract from, recall or clear the memory without affecting calculations in progress.

With the independent add register, you can multiply or divide without affecting add/subtract entries. Combined with the memory, the TI-5040's independent add register provides powerful equivalent "dual memory" capability. Simplifies extension, invoicing, cross-footing.

Two-key rollover and 8 levels of buffering allow you to make fast, continuous entries while printing.

Full floating or add-mode decimal selection. Constant for repetitive multiplication or division. Non-add key prints reference numbers.



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Datamath Calculator Museum

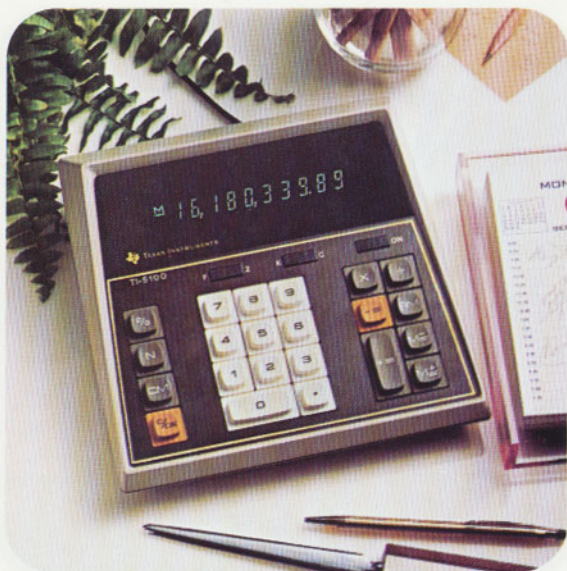
The TI-5050M

A small portable printing calculator with "big machine" features. Four memory operations are activated by one key for adding to, subtracting from, recalling, or clearing the memory without affecting calculations in progress.

Independent add register simplifies extension and invoicing: multiplication and division can be accomplished without affecting add/subtract entries. Combined with memory, add register provides equivalent "dual memory" capability.

Non-add key prints reference numbers. Touch operation is enhanced by long travel keys with high level buffering that allow you to make entries while calculator is still printing; two-key roll-over lets you press a second key before previously pressed key is released. Full floating or add-mode decimal at the touch of a key. Percent key for add-ons or discounts. Automatic constant for repetitive multiplication or division.

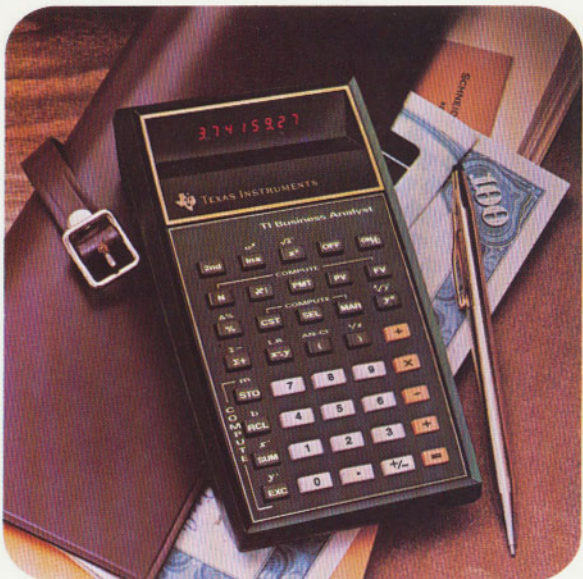
Operates on rechargeable batteries — battery charger and carrying case are included.



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Datamath Calculator Museum

The TI-5100

A versatile, quality calculator can increase calculating efficiency in the office or at home with silent effortless operation. The TI-5100 adds, subtracts, multiplies, divides and features a memory to store and recall numbers. Display shows M when a number is in memory. Overflow is indicated by an arrow at the left of the display. Subtotals may be added or subtracted from the memory by using the convenient **M+** or **M-** keys. **RM** key recalls from memory. **CM** key clears memory. Percentage problems can be easily solved by using the **%** key. **N** is an item count key for simplified inventory and calculation of averages. Constant switch lets you select constant mode for multiplication or division by the same number without reentering. Decimal selector switch positions decimal at full floating or presets at two places. Large 10-digit green vacuum fluorescent display (with comma) for easy readability. Operates directly from household voltage through detachable plug-in AC adapter.



© 2010 Joerg Woerner

Datamath Calculator Museum

TI Business Analyst

This rechargeable handheld calculator features preprogrammed financial functions. Allows you to solve time and money problems such as compound interest, loans, mortgages, investment yields, etc.

Special keys for financial data activate preprogrammed functions. Example: to compute compound interest and annuities, five keys are used: interest rate, payment, number of periods, future value, and present value. Three keys dedicated to solving problems involving cost, selling price, and gross profit margins.

Internal linear regression program determines a best fit line for a set of data — useful in forecasting trends.

Includes reciprocals, squares, roots, powers, natural logarithms, e^x , scientific notation, and 15 sets of parentheses.

TI Business Analyst comes complete with vinyl carrying case, fast charge battery pack, AC adapter/charger.



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Datamath Calculator Museum

The SR-40

A full function slide-rule calculator with easy-to-use Algebraic Operating System (AOS) and fully rechargeable portability. The SR-40 is a powerful successor to the popular SR-50A – the ideal problem solver for college students and professionals.

In addition to basic arithmetic the SR-40 performs all classical slide-rule calculations – roots, powers, reciprocals, common and natural logarithms, and trigonometry in degrees, radians or grads. Versatile memory functions include store, recall, sum to memory and memory/display exchange.

Bright LED display indicates angular mode and shows 8 digits and sign in standard format; 5-digit mantissa, 2-digit exponent and 2 signs in scientific notation.

Operates on fast-charge rechargeable battery battery pack or AC. Adapter/charger, owner's manual and carrying case included.

A unique Algebraic Operating System distinguishes TI's professional calculators.

TI's Algebraic Operating System (AOS) allows even complex expressions to be entered naturally, left-to-right. Opening up the full power of Texas Instruments slide-rule and programmable calculators to the user.

With AOS there's no complicated entry system to learn... no need to rearrange long equations or remember what numbers are stored in the stack. AOS lets the calculator do that work for you, so even users with limited math training can benefit from the advanced capabilities and convenience of Texas Instruments professional calculators.

AOS is more than just algebraic entry. It's a full algebraic hierarchy with multiple levels of parentheses that stores more pending operations than other available systems.

TI calculators with AOS remember both numbers and functions in their register stacks and perform all operations according to the universal rules of algebraic hierarchy. Functions first. Next, powers and roots. Then, multiplication or division. And, finally, addition or subtraction.

An AOS stack fills up as you enter the operations. Pressing the equals key completes all pending operations and displays the final answer. Automatically.

Multiple levels of parentheses allow many complex expressions to be entered quickly and easily, just as they are stated. There's no solving for intermediate answers unless you need them, and even that's made simple using the parentheses keys.

This powerful Algebraic Operating System makes TI slide-rule and programmable calculators easier to master and easier to use. Because AOS makes the calculator part of the solution... not part of the problem.



© 2010 Joerg Woerner
Datamath Calculator Museum

The SR-51-II

An advanced professional calculator with special features for statisticians, business people, scientists and engineers. Powerful Algebraic Operating System (AOS) lets you enter even complex equations quickly and easily. With 9 levels of parentheses and the ability to store up to 5 pending operations.

The SR-51-II features direct-key unit conversions for easy transition between: Inches and millimeters. Gallons (U.S.) and liters. Pounds (av) and kilograms. Fahrenheit and Celsius. Degrees, radians and grads. Degrees, minutes, seconds and decimal degrees.

New engineering notation feature allows results to be displayed in a modified form of scientific notation that converts answers to readily usable units (such as 10^{-3} for millimeters, 10^6 for megohms or 10^{-9} for nanoseconds). The displayed value is adjusted so that the exponent is a multiple of three and the mantissa has 1, 2 or 3 digits to the left of the decimal point.

In addition to simple arithmetic the SR-51-II calculates:

- Functions of x – square, square root, reciprocal, factorial, y^x and $\sqrt[y]{y}$.
- Logarithmic functions – common and natural logarithms and their inverses.
- Trigonometric functions – and their inverses (solved in degrees, radians or grads).
- Hyperbolic functions – and their inverses.
- Linear regression – least-squares linear regression program determines best-fit straight line for as many as 99 two-dimensional random data points. Trend-line analysis useful in projecting future points.
- Statistical functions – mean, variance, standard deviation and correlation.
- % – performs addition, subtraction, multiplication and division with a value expressed as a percentage.
- $\Delta\%$ – calculates the percentage change between x_1 and x_2 defined by $\frac{x_2 - x_1}{x_1} \times 100$.
- Constant operations – stores a number and an operation for use in repetitive calculations of roots, powers, percentage change, addition, subtraction, multiplication and division.

The SR-51-II has three user-accessible memories for storing and recalling values and addition, subtraction, multiplication and division of data to memory.

The SR-51-II computes and displays numbers in the range $\pm 1 \times 10^{-99}$ to $\pm 9.9999999 \times 10^{99}$. Bright LED display shows 10 digits and sign in standard format; 8-digit mantissa, 2-digit exponent and 2 signs in scientific notation. Answers are calculated to 12 digits and rounded for display purposes; however, for maximum accuracy, all 12 digits are used for internal calculations.

Operates on fast-charge rechargeable battery pack or AC (operable while recharging). Includes owner's manual, carrying case and AC adapter/charger.



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Datamath Calculator Museum

The SR-56

The super scientific

that's key programmable – containing functions found in FORTRAN

The SR-56's 10 addressable memories with full register arithmetic plus 74 preprogrammed functions and operations including mean/standard deviation and polar to rectangular conversion makes the most cost effective way to put computer-like programmability in your pocket.

Using TI's new and unique Algebraic Operating System (AOS) with full hierarchy and parenthesis (first introduced on the powerful SR-52) allows a step-function increase in calculating ease even over the classical SR-50/51 with their sum of products capability. AOS remembers numbers *and* operators allowing you to key in as an example an expression like this

$$1 + 3 \times \left[4 + \frac{5}{\left(7 - \frac{2}{9} \right)} \right] =$$

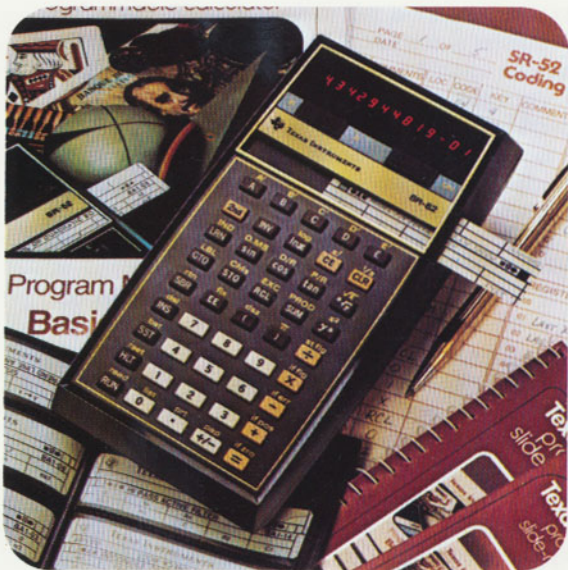
exactly as stated, left to right. The SR-56 has an 8 register stack and 9 levels of parentheses which handle up to 7 pending operations.

With 100-step program memory, 6 logical decision functions, 4 levels of subroutines and 2 loop control instructions, you truly have computer-like power in your pocket. Repetitive problems are no longer repetitive; develop "what if" matrices, optimize mathematical models, make better decisions.

The key programming features on the SR-56 are *decrement-and-skip-on-zero* for iterating a loop a specified number of times; *Four levels of subroutines* allowing more efficient program step utilization; and a *test register* to which the display is compared for conditional branches, or checking intermediate results for possible pass along to subroutine operations.

The SR-56 comes complete with an applications book full of programs to solve some of your problems now. It also fits directly onto the PC-100 thermal printer which will give hard copy printout of results, intermediate calculations or the complete program listing.

Your program is kept indefinitely while the SR-56 is operated from the standard charger included, or while on the PC-100. It is also kept intact while running from charged batteries. The batteries are fully rechargeable in a few hours.



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The SR-52: math Calculator Museum
The card-programmable
that adds a powerful new dimension
to your work

When you've got a problem you want answers fast, on the spot. With the new SR-52 programmable calculator you get them, and with less chance of error. Because you can load a complete program from a small magnetic card into an SR-52 in just two seconds.

These small magnetic cards are the key to the SR-52 power. They allow you to have inexpensive, truly non-volatile program memory that you can carry in your shirt pocket or keep in your desk for months or years, always ready for instant use. Plus they have the additional feature that you can record programs on them, creating, changing, adapting to solve your own personal problems and then keeping in your personal pocket library.

Select pre-recorded cards from one of the SR-52 optional libraries covering areas from

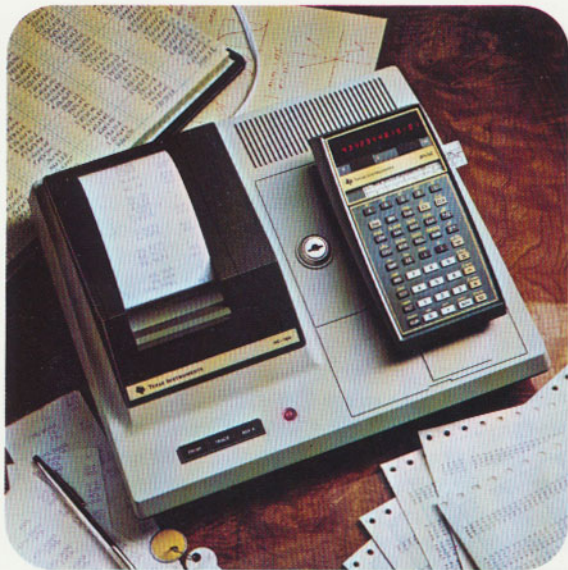
engineering and mathematics to finance and statistics or run one that you have written. Run the program as often as needed. Change values of your variables to do "what if". Let the calculator optimize. The program stored in memory is unaffected.

The SR-52 is simple, but behind this simplicity is a real powerhouse. The SR-52 will handle programs you may have thought required a computer: 224 step program memory, 20 memory registers, 10 user defined keys, 10 types of conditional branches, 3 types of unconditional branches, 5 user controlled flags, 2 levels of subroutines, 72 labels, 2 modes of indirect addressing and 105 preprogrammed functions and operations. All this combined with TI's new and unique Algebraic Operating System (AOS) with 11 register stacks and 9 levels of parentheses allowing up to 10 pending operations with left to right entry gives the SR-52 enough power to really make it easy: Part of the solution not part of the problem.

Twenty-two pre-recorded Basic Library program cards come with your SR-52, supported with sample problems, user instructions and program listing, allowing you to put them to work right away.

Optional libraries are also available for the SR-52 which go further and do more. The SR-52 power means that more steps and more functions can be included on a card which makes the programs immediately useful across a wide range of uses: ELECTRICAL ENGINEERING, STATISTICS, FINANCE, MATHEMATICS. These libraries are available now, and more are on the way. Forthcoming libraries will include NAVIGATION, SURVEYING, AVIATION.

The SR-52 also gives hard copy printout when used with the PC-100 Thermal Printer. An AC adapter/charger is included for AC operation or rapid battery recharge.



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PC-100: new optional printer turns an SR-52 or SR-56 into a quiet, high-speed printing calculator.

The PC-100 operates with TI's handheld programmables — the SR-52 and SR-56. It delivers hard copy right on the spot. Perfect for printing out a businessman's long amortization schedule, or each step of a scientist's iterative problem.

Printing can be controlled by keys on the PC-100 or by keys on the calculator. Simply remove the calculator's battery pack. Then press the calculator firmly on the PC-100's connectors. Lock it in place and you're ready to print whatever appears in the SR-52 or SR-56 display register.

A paper spacing feature enables you to format whole sets of results directly from the keyboard or through program control.

The PC-100 prints a "list" of your entire program step-by-step, including the program code for your records. Just push the list key and

the PC-100 prints out the SR-52's entire 224-step program memory in about 80 seconds. Less than half that time for the SR-56's entire 100-step memory. Identify your program code, and its position in program memory — right on the tape. Editing is easier and faster, when you can have the whole program in front of you.

You may halt it whenever you wish, or begin printing from any point in the program. This makes the PC-100 invaluable for checking whether you have keyed-in the instructions correctly. Match tape against your coding sequence. Edit and debug your program. Or, verify that your results are based on a correctly formulated program.

Push the "trace" key. Now every calculation that's performed in your program is printed. The full number and the operation. Store prints out STO. Logarithms prints out LOG. Errors are a question mark (?). You can follow subroutine calls and returns. Conditional and unconditional branches and loops. Conversions and register operations. In fact, everything your SR-52 and SR-56 can do in a program. Now you can be sure it is doing what you want it to. A real help when you're developing new programs.

Now that you can get inside a program, see it, operate it, and edit it, you'll be sure it's running right. Giving the answers you need.

TI's leadership in thermal printing technology delivers a printer that's quiet and fast.

The PC-100 also provides security. You can leave your desk with your SR-52 or SR-56 locked on the PC-100 and take the key with you. A detachable power cord allows easy portability, and the machine plugs into any standard 115V electrical outlet.



The SR-60

A card programmable prompting printing calculator designed to bridge the gap between simple desktop calculators and computers. A powerful asset to business and science alike.

Alphanumeric prompting feature used in conjunction with programming, displays words or phrases that "ask" for entries or decisions to solve the problem.

Prerecorded programs are also supplied with the SR-60 (see list). Simple to use. A person merely needs a general concept of what's to be solved to have a solution in seconds. Assistants and secretaries can use prerecorded programs (or programs developed by others) with just a minimum amount of instruction.

Programming is easy. No codes or special rules to learn, so more time can be spent formulating problems. And it's not necessary to learn all functions to write simple programs, although the SR-60 can handle very large programs with its: 40 data memories, 480 program memory locations,

10 flags, 8 branching instructions, 4 subroutine levels, alphanumeric prompting, choice of labels or absolute addressing and direct or indirect addressing. Programs can then be recorded on blank magnetic cards (supplied) for continual use.

Algebraic operating system (AOS) with parentheses solves problems with up to 10 pending operations. Entry is left-to-right just as problems are written. Results displayed up to 10 digits, plus two more for power of 10 exponents.

Quiet electronic printer prints any displayed number, or message on thermal paper for a permanent record. Identifies pertinent data and answers, helps eliminate confusion when analyzing results.

Its 95 keys are functionally organized to preclude memorizing locations. Functions included: Standard math. Trig. Hyperbolics. Logs. Angular and polar/rectangular conversions. Integer x. Percent difference. And constant.

Optional memory expansion available. Increases program capacity up to 1,920 steps and 100 registers. Interface connector allows auxiliary (hardware) to be added any time. AUX is on the keyboard.

Three-wire 120-volt power cord plugs into standard 120-volt outlet. The SR-60 can be operated from 240-volts by placing the voltage switch in the 240-volt position and changing the power cord.

BASIC LIBRARY OF PRERECORDED PROGRAMS

Power Transformer Design
Chebyshev and Butterworth
Filter Design
Add-on Rate Installment Loan
Compound Interest
Basic Statistics

Polynomial Evaluation
Solution of Cubic and Quadratic
Equations
Diagnostic 1, 2, 3
Random Number Generator

OPTIONAL LIBRARIES INCLUDE:

Finance
Electrical Engineering
Statistics

Surveying
Mathematics
Mathematics II

Selection guide

Texas Instruments

electronic calculators

Physical Characteristics: General Purpose Calculators

	TI-1200	TI-1250	TI-1265	TI-1270	TI-1600
Weight	5.5 oz.	5.5 oz.	5.5 oz.	7 oz.	3.6 oz.
Size	5.5× 2.8× 1.3	5.5× 2.8× 1.3	5.5× 2.8× 1.3	5.5× 2.8× 1.3	4.9× 2.7× 0.6
Batteries					
Replaceable (not incl.)	•*	•*	•*	•*	
Rechargeable					•
AC Adapter	•*	•*	•*	•*	•
AC Operation only					

*Optional – not included

Calculating and Operating Characteristics: General Purpose Calculators

Function	TI-1200	TI-1250	TI-1265	TI-1270	TI-1600
Digits displayed or printed	8	8	8	8	8
Decimal select: floating	•	•	•	•	•
preset					
Automatic constant	•	•	•		•
Memory		•	•	•	
Independent Add Register					
% Key	•	•	•		•
Add mode					
Special keys		change sign	change sign	1/x, √x, x², π, change sign	change sign
Printing tape					

Physical Characteristics: Professional Calculators

	TI MONEY MANAGER	TI-30	BUSINESS ANALYST	SR-40
Weight	4.2 oz. (w/o battery)	4.2 oz. (w/o battery)	5.5 oz.	less than 6 oz.
Size	5.8× 3.2× 1.38	5.8× 3.2× 1.38	5.8× 3.2× 1.38	5.8× 3.2× 1.38
Batteries				
Replaceable (not incl.)	•	•		
Rechargeable	•*	•*	•	•
AC Adapter/Charger	•*	•*	•	•
AC Operation Only				

*Optional – not included

ONE-YEAR LIMITED WARRANTY

All Texas Instruments electronic calculators and digital watches carry a one-year limited warranty against defects in materials and workmanship.

TI-1650	TI-2550-III	TI-5050-M	TI-5100	TI-5040
3.6 oz.	less than 6 oz.	28.0 oz.	less than 2 lbs.	3.25 lbs.
4.9	5.8 ×	8.7 ×	7.8 ×	9.5 ×
2.7 ×	3.2 ×	3.9 ×	7.6 ×	9.3 ×
0.6 ×	1.27	2.7	2.5	2.9

.
.

TI-1650	TI-2550-III	TI-5050M	TI-5100	TI-5040
8	8	10 (print)	10	10 Both
.
.	.	2	2	2
.	.	.	Select	.
.
.
.
change sign	1/x, \sqrt{x} , x ² , Rev, change sign	paper advance, non-add	item count	paper advance, print, non-add
.

SR-51-II	SR-52	SR-56	PC-100	SR-60
less than 8 oz.	12.3 oz.	8.3 oz.	7 lbs.	16 lbs.
5.8 ×	6.44 ×	5.8 ×	10.5 ×	17 ×
3.2 ×	3.31 ×	3.2 ×	10.3 ×	14.7 ×
1.38	1.70	1.25	4.0	5.5
.
.

Due to the difficulty of photographing calculator and watch readouts, displays represented in this brochure are simulated.

Texas Instruments reserves the right to make changes in materials and specifications without notice.

Calculating Characteristics: Professionals

Function

Constant

Log

$\ln x$

10^x

e^x

x^2

\sqrt{x}

$\sqrt[n]{y}$

y^x

$1/x$

$x!$

%

$\Delta\%$

π

Engineering notation

STO, RCL, SUM (to memory)

Int x (Integer part)

2nd Int (fractional part)

Trig: sin, cos, tan, and inverses

Hyperbolic: sinh, cosh, tanh and inverses

Deg/min/sec to decimal deg. conversion and inverse

Deg. to Rad. conversion and inverse

Polar to rectangular conversion and inverse

Mean, variance and standard deviation

Linear regression

Trend line analysis

Slope and intercept

Automatic permutation

Random number generator

Conversions

Metric conversion constants

Number of periods

% interest

Payment

Present value

Future value

Cost

Selling price

Margin

Annuity

*Programmable functions

†Degree/Radian/Grad conversion and inverse

[illegible]

Operating Characteristics: Professionals

Function

Digits displayed (mantissa + exponent)

Calculating digits

Limited precision

Fixed decimal option

Roundoff (Selectable)

Memories:

Store and Recall

Clear Memory

Sum to Memory

Subtract from Memory

Multiply into Memory

Divide into Memory

Exchange Display with Memory

Indirect memory addressing

Exchange x with y

Exchange x with t

Parentheses levels

Max. number of pending operations

Constant Mode

Angular mode (deg/rad)

AOS

Second function key

Keys

Printing Functions:

Print & Paper Advance

Program list

Trace

Compatible with PC-100

*Optional add on for 100 memories †Angular Mode (deg/rad/grad)

Programming Capability: SR-56, SR-52, SR-60

Function	SR-56	SR-52	SR-60
Program steps	100	224	480*
Merged prefixes	•	•	
Program read/write on magnetic cards		•	•
Data memory read/write on magnetic cards			•
Alphanumeric display/print			•
Program Prompting (Que)			•
User-defined keys		10	15
Possible labels		72	77
Absolute addressing	•	•	•
Indirect addressing		•	•
Subroutine levels	4	2	4
Program flags		5	10
Conditional branching instructions	6	10	8
Unconditional branching	•	•	•
Indirect branching		•	•
Editing: Step	•	•	•
Back step	•	•	•
Insert		•	•
Delete		•	•
Single step execution	•	•	•
Pause	•		•

*Optional add on for 1920 program steps

MM	TI-30	BA	SR-40	SR-51-II	SR-56	SR-52	SR-60	PC-100
8 (5 + 2)	8 (5 + 2)	8 (5 + 2)	8 (5 + 2)	10 (8 + 2)	10 (10 + 2)	10 (10 + 2)	10 (10 + 2)	10 + 2 Printed
11	11	11	11	12	12	12	12	
				*	*	*	*	
1	1	1	1	3	10	20	40*	
*	*	*	*	*	*	*	*	
				*	*	*	*	
*	*	*	*	*	*	*	*	
				*	*	*	*	
				*	*	*	*	
				*	*	*	*	
*	*	*	*	*	*	*	*	
						*	*	
						*	*	
15	15	15	15	9	9	9	9	
4	4	4	4	5	7	10	10	
Select		Select		Select	Select			
*j		*j		*j	*	*	*	
*		*		*	*	*	*	
*		*		*	*	*	*	
40	40	40	40	40	40	45	95	3
					*	*	*	*
					*	*	*	*
					*	*	*	*

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Input/output Characteristics: SR-60

General

Calculating digits

Internal

Display or print

Numerical range

Format

Overflow, underflow
or error conditions

12 plus sign and 2 exponents plus sign.

10 plus sign and 2 exponents plus sign.

$\pm 1. \times 10^{-99}$ to $\pm 9.99999999 \times 10^{99}$

Fixed or Scientific Notation

Display flashes: ?

Printer prints: ?

Display

Type

Format

Characters*

Symbols*

Light emitting diodes (LED)

5 by 7 dot matrix, 20 characters max.

A through Z

Period, question mark, comma, apostrophe,
dollar sign, degree, slash.*

Printer

Type

Format

Paper

Functions:

print

program list

data memory list

trace

paper advance

Thermal electronic

5 by 7 dot matrix, 20 characters max.

2½ inch thermal

yes

yes

yes

yes

yes

Card Reader

Read into

program memory yes

Read into

data memory yes

Write from

program memory yes

Write from

data memory yes

Auxiliary Peripherals

Input/output control yes

*other symbols and characters are available by using the mathematical and function keys.



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math Calculators

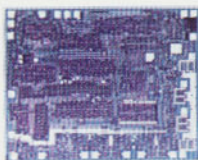



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Datamath Calculator Museum



Microelectronic technology began in 1958 when Texas Instruments invented the first integrated circuit. Today, new TI I²L technology provides complete timekeeping electronics on a silicon slice just  1/50 of a square inch.

**... and especially
for students.**

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