TI-55

Advanced slide rule calculator with statistical functions and programmability.

TEXAS INSTRUMENTS

TI-55

Calculator Decision-Making Sourcebook

$4.95
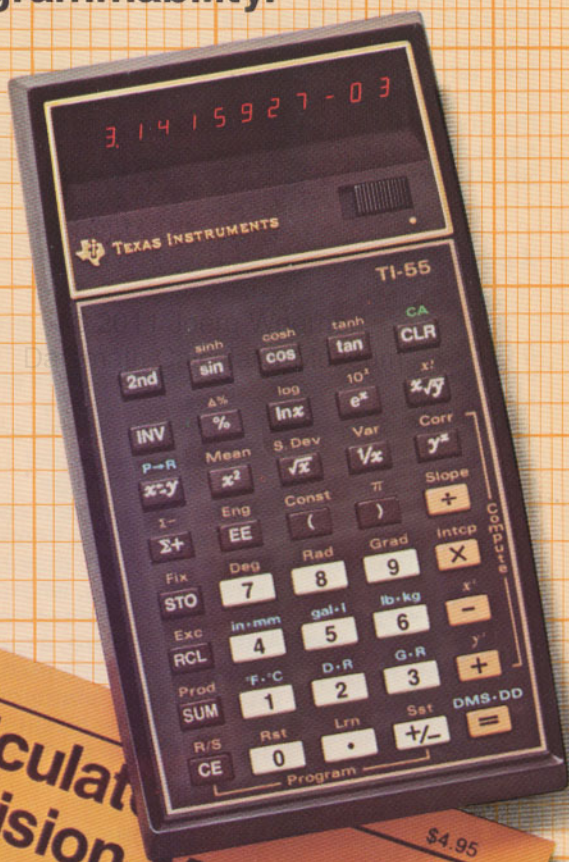
Whatever your field or profession, your calculator can help you use the power of statistics, financial math and programmability in making better decisions.

Fast, accurate problem solving and statistical analysis with professional calculator and book combination... plus the power of programmability.

Science. Engineering. Business. Social science. Statistics. Whatever your field, Texas Instruments TI-55 calculator can help you improve your professional performance by giving you fast, accurate solutions to your problems. Successor to the famous SR-51-II, the TI-55 adds the power of programming plus increased memory capacity to the powerful features which made the SR-51-II such an outstanding productivity tool.

A powerful system for problem solving.

Advanced TI-55 capabilities include a unique blend of hardware and software features. The versatile TI-55 is packed with the features and functions you need to handle almost any mathematical operation, from logarithms and trigonometry to more advanced statistical problems. Easy-to-understand 140-page *Calculator Decision Making Sourcebook* shows you how to use the power of statistics, financial mathematics, and programmability in making better decisions, whatever your field or profession. Also included are: a quick reference owner's manual, protective calculator carrying case, and an ac adapter/charger for full portability.

Designed to help improve your decision making.

• Powerful statistical capability...mean, variance, standard deviation, correlation, linear regression, trend line analysis...gives you quick access to the numbers you need to draw your conclusions, recommend new policies, or project future performance based on past activity.
• Keyboard programming with up to 32 steps lets you perform repetitive calculations at the touch of a key.
• Eight commonly used conversions are preprogrammed for convenience, allow fast transition between metric and other measurement systems.
• Ten user-accessible memories are available to increase the flexibility of calculations.
• Scientific/engineering notation enables you to work with very large or very small numbers.
• TI's unique AOS™ algebraic operating system allows you to enter problems as they are stated algebraically, without rearranging the order of the problem.

$4.95 value *Calculator Decision Making Sourcebook.*

Developed by the Texas Instruments Learning Center and the University of Denver Mathematics Laboratory, this easy-to-understand text shows how to use the TI-55's statistical functions and simple programming to isolate important data, weigh alternatives, and arrive at rapid, more accurate decisions. With 140 pages of explanation and step-by-step examples for: • Analyzing relationships in data. • Verifying quality and performance. • Measuring change.
• Forecasting trends. • Testing research claims.
• Projecting investment returns.
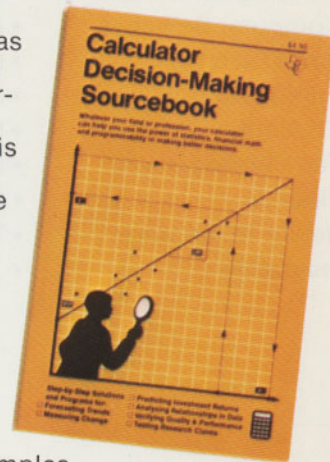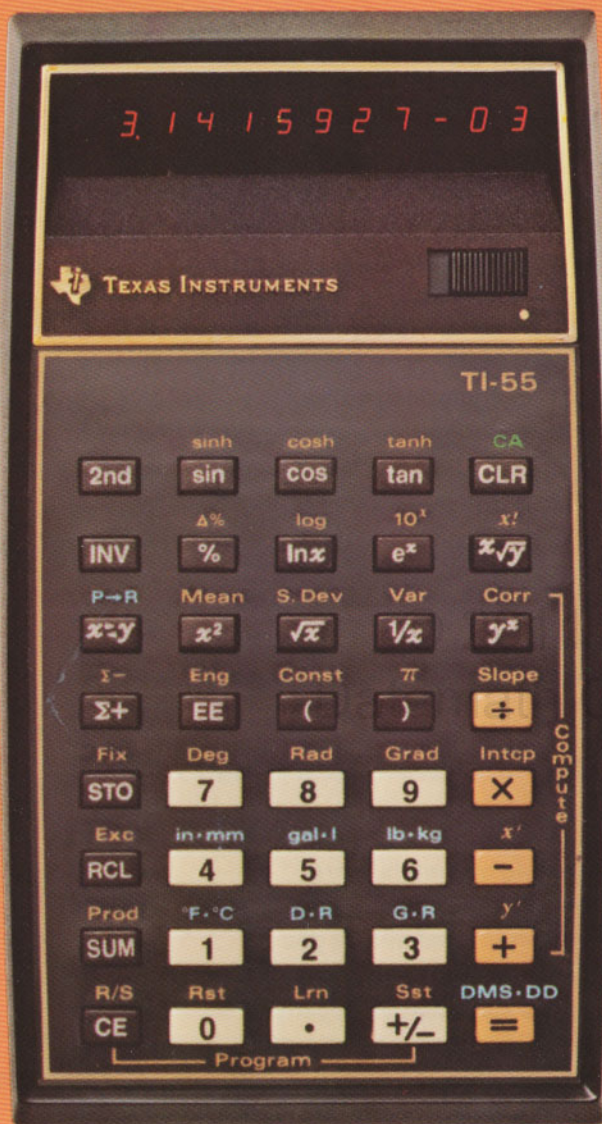
Actual Size

Advanced capability for today's professional.

AOS™ Algebraic Operating System

AOS algebraic operating system makes solving complex problems easier by allowing equations to be entered as they are written.

( ) Nine levels of parentheses with up to four pending operations are available.

Programming Functions

Lrn Lets you enter programs for storage and later use.

Rst Resets program to the beginning step.

Sst Allows you to check keystrokes in your program one step at a time.

R/S Begins and halts program in memory.

Statistical Functions

$x \rightleftarrows y$ and $\Sigma+$ Used to input data.

Mean Var S.Dev. Provide mean, variance, and standard deviation calculations for the entered data.

Slope Intcp Corr x' y' Computes the characteristics of the best fit, least squares line, for linear regression or trend line analysis.

Memory Functions

10 full memories

STO Stores data in memory.

RCL Recalls data from memory.

EXC Exchanges the content of memory with the display value.

Prod
SUM } Performs full memory arithmetic.
INV

Powers and Roots

x^2 Square.

$1/x$ Square root.

y^x Universal power key.

$\sqrt[x]{y}$ Universal root key.

Log and Trig Functions

Functions include: Natural (base e) and common (base 10) logs and inverses. Sine, cosine, tangent, and inverses calculated in degrees, radians, or grads. Plus hyperbolics.

Simple programmability...to help make problem solving easier.

There's nothing mysterious about programming. In fact, you already know how – or almost. Whenever you perform a series of calculations, then bring them together to get an answer, you're programming. Except you keep most of it in your head, making each decision as you go.

If you've been using a non-programmable calculator, you have been pressing keys in a certain sequence to solve problems. With the programming features of the TI-55 you are simply telling the calculator which keys to press to solve a problem. It's that easy.

The real efficiency of programming lies in its ability to help you solve your day-to-day problems quickly and accurately. It lets you perform calculations your way and aids you in making detailed, logical decisions. *Better decisions by far.*

AOS™ algebraic operating system.

TI's unique AOS algebraic operating system is more than just algebraic entry. It's a system that allows you to enter problems exactly as they are stated algebraically, without rearranging the order of the problem, or resorting to the use of memories to store partial results. This is accomplished by the use of a full algebraic hierarchy coupled with multiple levels of pending operations and parentheses. This permits easy left-to-right entry of expressions – both numbers and functions.

The AOS algebraic operating system provides

an incredibly powerful, easy-to-use system for problem solving. And makes the calculator part of the solution—not part of the problem.

This example has only *one* right answer. But not all calculators will give it to you if you enter the problem directly:

$1 + 2 \times (3 - 1/7)^{2.5} = ?$

With the AOS algebraic operating system, you solve it exactly as it is written:

1 $+$ 2 $\times$ $($ 3 $-$ 1 $\div$ 7 $)$ y^x 2.5 $=$

28.596874

TI-55 advanced professional calculator.

The calculator and book combination for improved decision making…whatever your profession.

- Accounting
- Advertising
- Banking
- Building Sciences
- Computer Sciences
- Earth Sciences
- Engineering
- Education
- Farm Management
- Finance
- Health Technology
- Insurance
- Law
- Life Science
- Management
- Mathematics
- Medicine
- Operations Research
- Psychology
- Quality Control
- Real Estate
- Social Science
- Transportation
- …and many more

Specifications

Readout: Bright, easy-to-read LED display shows 8 digits in standard format or 8-digit mantissa and 2-digit exponent, decimal point, negative sign. Flashing display indicates overflow and invalid operations.

Electronics: Texas Instruments manufactured MOS/LSI integrated circuit and other solid-state components.

Power: Rechargeable battery pack allows portable operation. Operable while recharging. Input for ac adapter/charger, 115V/60Hz.

Included: 140-page *Calculator Decision Making Sourcebook,* quick reference owner's manual, vinyl carrying case, ac adapter/charger.

Size: 5.8 × 3.2 × 1.4 inches (14.7 × 8.1 × 3.6cm).

Weight: Less than 8 ounces (0.23kg).

Limited Warranty

The TI-55 is covered by a one-year limited warranty against defects in materials and workmanship.

Due to the difficulty in photographing calculator readouts, displays represented here are simulated.

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

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