TI-55-II

Advanced LCD slide rule calculator with programming and statistics. Comprehensive sourcebook included.

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STAT   DEG

TEXAS INSTRUMENTS

TI-55-II
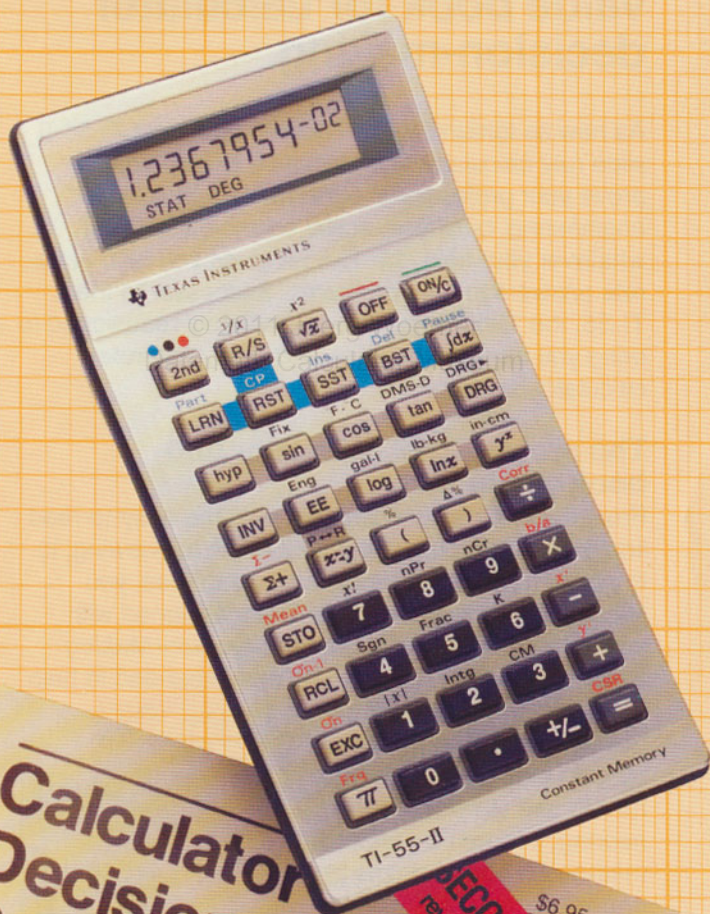
Constant Memory

Calculator
Decision-Making
Sourcebook

Whatever your field or profession, your cal...
...n help you use the power of statis...
... programmability in ma...

SECOND EDITION
revised and expanded

$6.95

TI-55-II

With 112 powerful functions for professional engineering, science, and math applications. Modern, functional styling. Added-value book for calculator decision-making.

As new as tomorrow, the Texas Instruments TI-55-II slide rule calculator was designed to help you improve your professional performance. In science, engineering, business, social science, statistics, whatever your field, the TI-55-II gives you fast, accurate answers to your problems. Successor to the TI-55, the TI-55-II has been completely redesigned to bring you the latest in state-of-the-art slide rule calculator development.

The professional calculator and book combination.

From the crisp new styling that puts the easy-to-read liquid crystal display at the best angle for viewing, to the powerful new functions and capabilities, you know instantly that the TI-55-II was designed with you in mind. And the *Calculator Decision-Making Sourcebook* has been revised and expanded to help you make the most of the power in your TI-55-II. Step-by-step examples show you how to use statistics, engineering, economics, financial mathematics, and simple programming to help you make better decisions. And there are entire new chapters on science and mathematics.
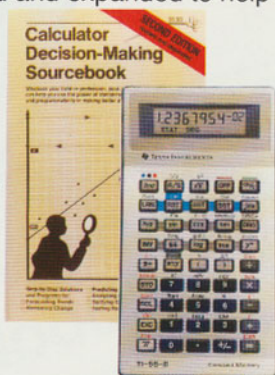
The latest features and capabilities to help you in problem-solving and decision-making.

Statistical functions. Mean, variance, standard deviation, correlation, linear regression, trend line analysis...the most needed statistical functions for better data analyses.

Easy programmability. Keyboard programming with up to 56 steps saves you time on repetitive problems. You can let your TI-55-II perform detailed calculation sequences at the touch of a single key.

Multiple memories. Up to eight user-accessible constant memories are available to increase the flexibility of calculations.

Liquid crystal display. Large LCD display shows eight-digit mantissa and two-digit exponent. Scientific/engineering notation lets you work easily with very large or small numbers. Display also shows decimal point, negative sign, and calculator mode.

Conversions. Eighteen commonly needed conversions are preprogrammed to allow fast transition between various measurement systems at the touch of a key.
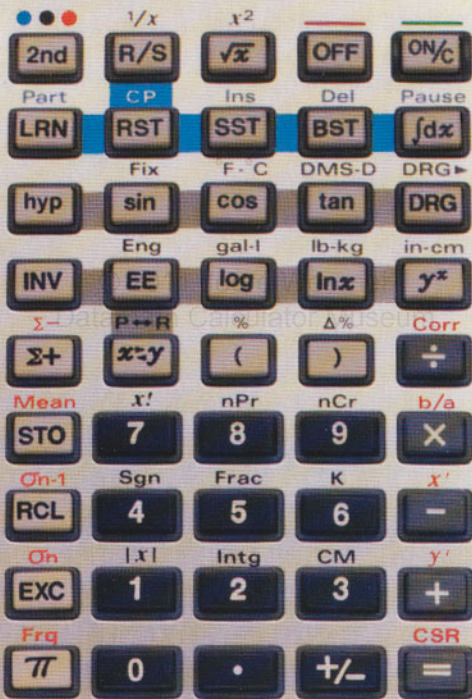
Constant Memory* feature. Data and programs stored in memory and in statistic registers are retained even when the TI-55-II is turned off.

AOS* entry system. The TI-55-II uses TI's AOS algebraic operating system. It lets you enter problems as they are stated algebraically, without the need to rearrange the order of the problem.

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TEXAS INSTRUMENTS

2nd	$1/x$ R/S	x^2 $\sqrt{x}$	─── OFF	═══ ON/C
Part LRN	CP RST	Ins SST	Del BST	Pause $\int dx$
hyp	Fix sin	F-C cos	DMS-D tan	DRG▸ DRG
INV	Eng EE	gal-l log	lb-kg ln$x$	in-cm y^x
Σ− Σ+	P↔R $x{\rightleftharpoons}y$	% (	Δ%)	Corr ÷
Mean STO	$x!$ 7	nPr 8	nCr 9	b/a ×
σn-1 RCL	Sgn 4	Frac 5	K 6	x' −
σn EXC	$|x|$ 1	Intg 2	CM 3	y' +
Frq π	0	·	+/−	CSR =

TI-55-II   Constant Memory

Actual Size

Here are just some of the special keyboard functions available to you with the versatile TI-55-II calculator.

Programming Functions

LRN Places calculator in learn mode and lets you enter programs for storage and later use.

R/S Starts and stops program processing.

∫dx Definite integration of pre-programmed function.

Ins Make corrections or modifications to your program.

SST Single-step forward to check instruction codes.

BST Back-step to verify instructions.

Del Removes displayed instruction from your program.

RST Resets program back to start.

Pause Displays current value to display register.

Statistical Functions

Σ+ **Σ−** **Frq** Data entry and removal with frequency capability.

Mean Mean or average of entered data.

σn Standard deviation for population data.

σn-1 Standard deviation for sample data.

Corr **b/a** **x'** **y'** Computes the characteristics of best fit, least squares line for linear regression and trend line analysis of data.

Conversion Factors

Preprogrammed conversions include: Degrees Celsius to degrees Fahrenheit. Degrees/minutes/seconds to decimal degrees. Decimal degrees to radians to grads. Gallons U.S. to liters. Pounds to kilograms. Inches to centimeters. Polar to rectangular. And more. Conversions may be performed in reverse order by using the inverse 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.

Memory Functions

Eight in all: Store and recall. Sum and subtract. Multiply and divide. Exchange with display. Universal powers and roots. And percent change. Constant Memory* feature retains data stored in memory even when the calculator is turned off.

*Trademark of Texas Instruments

A powerful slide rule calculator with the added versatility of statistics and programming.

The TI-55-II calculator features the most commonly used slide rule operations: Roots. Powers. Reciprocals. Common and natural logarithms. Trigonometry —in degrees, radians, grads, and hyperbolic functions. Full algebraic hierarchy coupled with multiple levels of pending operations makes it easy to enter problems.

Special functions such as integration, x factorial, permutations and combinations, two-variable statistics with linear regression and trend line analysis, and programmability provide rapid computations for use in complex problem solving.

Programmability helps make problem evaluation and integration easier. Instead of having to press a sequence of keys to solve a problem you simply tell the TI-55-II which keys to press. The calculator does the work for you, resulting in faster and more accurate answers.

The *Calculator Decision-Making Sourcebook* shows you how to get the most out of your calculator.

Newly revised and expanded, the *Calculator Decision-Making Sourcebook* is a $6.95 value included with your TI-55-II calculator. The easy-to-understand text shows you how to put the powerful capabilities of the TI-55-II to work for you in everyday situations.
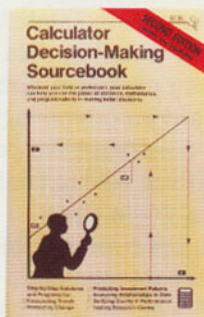
Subjects covered in this book include: Basic Programming. Trend Analysis. Forecasting. Mathematics. Science. And much more. Step-by-step examples show you how to isolate important data, weigh alternatives, and arrive at rapid, more accurate decisions.

Learn techniques for analysis, prediction, and decision-making that can be applied to such fields as:

- Accounting
- Architecture
- Building Sciences
- Life Sciences
- Management
- Medicine
- Computer Science
- Earth Sciences

- Engineering
- Education
- Operations Research
- Psychology
- Quality Control
- Social Science
- Transportation
- . . . and many more

Specifications

Readout: Eight-digit mantissa and two-digit exponent liquid crystal display (LCD). Shows decimal point and negative sign. Indicates calculator mode.

Electronics: CMOS/LSI integrated circuit.

Power Source: Two miniature batteries (included).

Included: *Calculator Decision-Making Sourcebook*, detailed owner's manual, batteries, carrying case.

Size: 14.7 x 7.9 x 2.3 cm (5.8 x 3.1 x 0.9 in).

Weight: Approximately 108 g (3.8 oz.).

Limited Warranty

The TI-55-II calculator is covered by a one-year limited warranty against defects in materials and workmanship. The complete text of this limited warranty is set forth in the owner's manual accompanying the TI-55-II.

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.