

TI 58C Programmable

The advanced programmable calculator with...

plug-in
Solid State Software™
modules.

**New
Constant
Memory™
feature!**



Stores up to
480 program steps
or contents of up to 60 memories...
even when the calculator is turned off!

TEXAS INSTRUMENTS
INCORPORATED



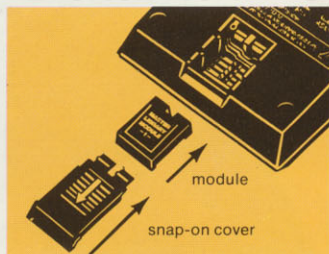
Now with Constant Memory feature. An even greater value for the advanced student and the professional. Preprogrammed library of math, statistics, and finance included.

Texas Instruments new TI Programmable 58C with Constant Memory feature is a revolutionary advance in personal programmable calculators. Through recent TI milestone developments in microelectronic circuitry, this calculator offers more power, more flexibility, more capability than anything else in its class — at a price you won't believe.

The TI Programmable 58C is truly computer-like. You have up to 480 program steps, or up to 60 memories to work with. And, when integrated with the Master Library Module it delivers up to 5000 steps!

What is Solid State Software?

Prewritten programs that once occupied almost two dozen magnetic cards have been encapsulated in a tiny plastic module small enough to sit on your thumbnail. This revolutionary



Master Library Module is a product of TI's micromemory technology. It simply plugs into the calculator. Then, any one of 25 different programs in the Master Library is available at the touch of a key. Programs that include math, statistics, finance — virtually a basic tool kit for today's professional. And it's also interchangeable with 10 other optional libraries.

New Constant Memory feature allows you to retain programs or data stored in the TI Programmable 58C whether the unit is on or off.

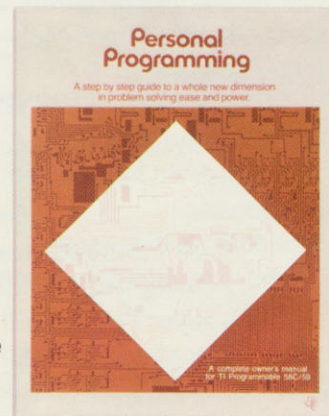
- Retains programs and data when calculator is off and for short intervals with battery pack removed.
- Eliminates the need to reenter programs or data needed for repetitive operation.
- Prevents loss of your important results or data while you travel — they are automatically retained by the TI Programmable 58C.

And it has AOS™ TI's unique algebraic operating system which lets you enter problems just as they're written... with up to nine levels of parentheses.

Personal Programming, an exclusive, added-value book, starts you programming immediately. Even if you've never programmed before.

It unlocks the power of your calculator in language you can understand, allowing you to use your TI Programmable 58C with confidence — straight-off.

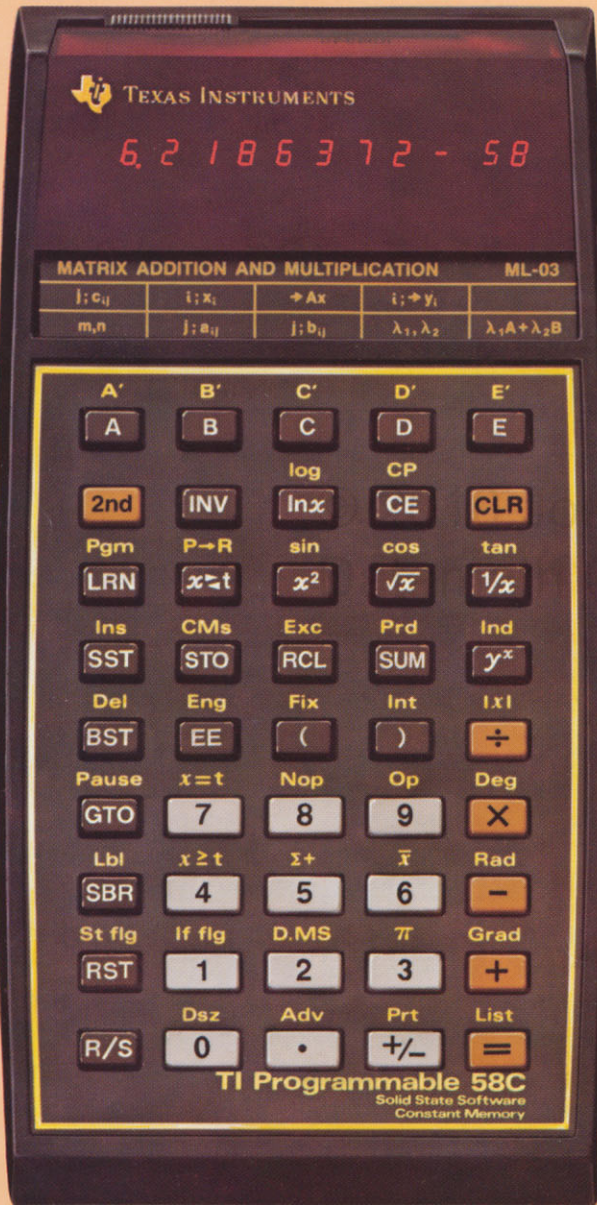
This convenient manual takes you through each function, each operation, step-by-step. It will help you prove to yourself how easy and effective programming can be. You'll learn how to put the programs in the Master Library to work, how to develop your own custom programs, and how to explore the full calculating power of the TI Programmable 58C when programs aren't needed.



The TI Programmable 58C.

Up to 480 program steps.

Or, up to 60 memories.



Program steps and memory registers are resources that can be allocated to meet your needs. Short problems with many numbers could require nearly all 60 memories – like budgets or statistical analyses. While long problems with lots of operations and few variables could require almost all 480 program steps – like stock options or orbital mechanics. The TI-58C gives you the flexibility to select a broad variety of combinations.

PROGRAM STEPS		480
		400
		10
		320
		20
		240
		30
		160
		40
80	50	
60		MEMORIES

Calculator retains partitioning configurations in use when power turned off.

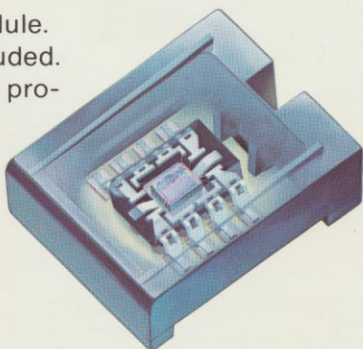
Features of the big TI Programmable 58C.

- 4 types of display testing with an independent test to "t" register:
 $X \geq t$ $X < t$ $X = t$ $X \neq t$
- 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.
- 72 useful labels
- Extremely flexible addressing of:

Program Steps:	Data Memories:
1. Absolute	1. Direct
2. Indirect	2. Indirect
3. Label	
- 10 user defined label keys.
- Complete program editing: Insert. Delete. Single step. Backstep. No-Operation.
- 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.
- Up to 9 sets of parentheses (allowing up to 8 pending operations in your machine) provide extended program solving capability.
- Over 170 functions and operations in scientific, engineering and statistical fields.
- Constant Memory feature.

Plug-in Solid State Software™ Library. Puts pre-written programs at your fingertips.

Master Library Module.
25 programs – included.
Gives students and profes-
sionals an
instant “tool
kit” in key areas:



- **Math**

- Matrix operation (2)
- Complex Functions (3)
- General Polynomial Evaluation
- Zeros of Functions
- Numerical Integration (2)
- Plane Geometry (3)

- **Statistics**

- Normal Distribution
- Random Numbers
- Combinations, Permutations, Factorials
- Moving Averages

- **Finance**

- Compound Interest
- Annuities
- Days Between Dates

- **General Interest**

- Hi/Lo Game
- Checking Account Control
- Deg/Min/Sec Arithmetic Operations
- Conversions (2)
- Diagnostic

Optional library modules available.

Prewritten programs, plus easy-to-follow manuals. Use them from the keyboard or make them part of your program.

- **Applied Statistics • Math/Utilities • Real Estate/Investment • Securities Analysis**
- **Business Decisions • Electrical Engineering**
- **Surveying • Aviation • Marine Navigation**
- **Agriculture • RPN Simulator • Leisure Library**

The TI Programmable 58C also works with TI's PC-100C thermal printer, plotter.*



The convenience and efficiency of hard copy printouts are yours with TI's exclusive PC-100C printer.

- Print data, intermediate results, and answers.
- Print alphanumeric messages.
- List your entire program. Step numbers. Key codes. Key symbols. Makes program editing faster and easier.
- List the contents of all data memories.
- List labels and location.
- Print program headings and prompting messages.
- Plot data relationships.
- Recharges calculator battery.

(1/2 Actual Size)

*Also works with PC-100A printer, plotter.
Will not work with PC-100 printer.

Specifications

Display: Bright 12-character LED display shows 10 digits plus sign in standard format. 8-digit mantissa, 2-digit exponent and 2 signs in scientific notation. Decimal point. negative sign. Error indication. Also displays in engineering notation. Plus, fixed or floating decimal point.

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

Power Source: Rechargeable battery pack. Recharges fully in 4 hours with calculator off to provide approximately 3 hours of portable operation with normal use. Operable while recharging. AC adapter/charger input 115V/60 Hz.

Included: *Solid State Software Master Library Module. Master Library guide. Personal Programming guide. Quick reference guide. Program label cards. Program record tablet. Library cards carry case. AC adapter/charger. Calculator carry case.*

Size: 16.3 x 8.1 x 3.6 cm (6.4 x 3.2 x 1.4 in)

Weight: 241 g (8.5 oz)

Limited Warranty

The TI Programmable 58C 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 calculator.

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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