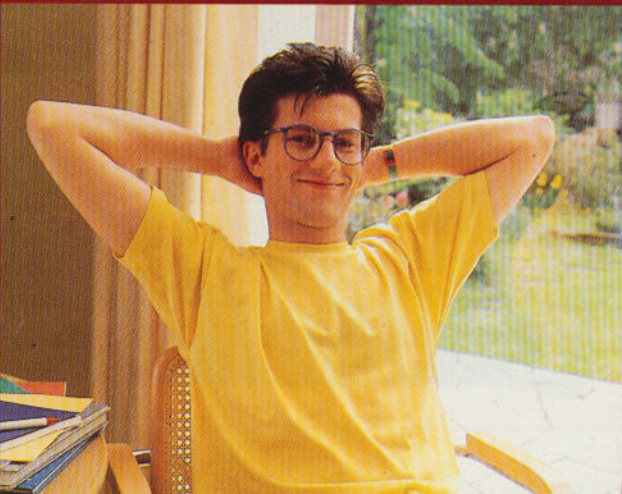


# TEXAS INSTRUMENTS SCHOOL CALCULATORS 1986

Easy to understand, easy to work with.



Ever since the invention of the first scientific calculator, Texas Instruments has been designing and manufacturing a range of models that are aligned to the specific needs of students and professionals.

Designed to help the user find the correct answer quickly and efficiently, TI calculators give the student more time to think about the mathematical concepts behind the problems and to better understand the logic leading to their solutions.

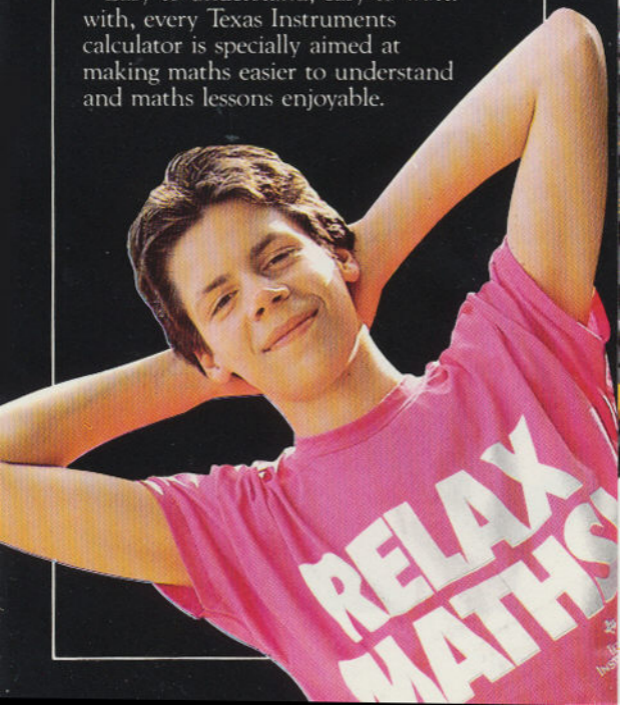
Each new model is developed in close consultation with maths teachers and educational specialists to ensure that the built-in functions are fully compatible with the appropriate curriculum requirements and age levels.

That's why Texas Instruments continues to offer the most creative and ergonomic features :

- Horizontal "computer style" keyboard layout for clarity and comfort in frequent desktop use.
- Easy-to-use extra large keys.
- Easy-to-read tilted display for desktop or handheld use.
- Large digit liquid crystal display for optimum clarity.
- Pending operations indicators to show the operations being carried out.
- Protective hard covers.

From the TI-1103 primary school calculator to the advanced TI-74 BASICALC, every student will find a model to fit his precise needs in the Texas Instruments range.

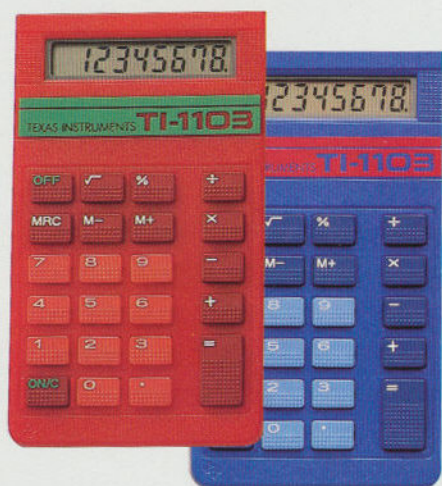
Easy to understand, easy to work with, every Texas Instruments calculator is specially aimed at making maths easier to understand and maths lessons enjoyable.



# Calculators for use at elementary school level

There is a complete range of calculators incorporating all the basic functions required by elementary school pupils.

## TI-1103



The TI-1103 is aimed at getting elementary maths pupils off to a good start.

Features :  
4 functions, memory,  $\sqrt{x}$  and %.  
Extra-large plastic keys.  
Protective slide-on hard cover.  
Sturdy design in choice of bright red or blue.



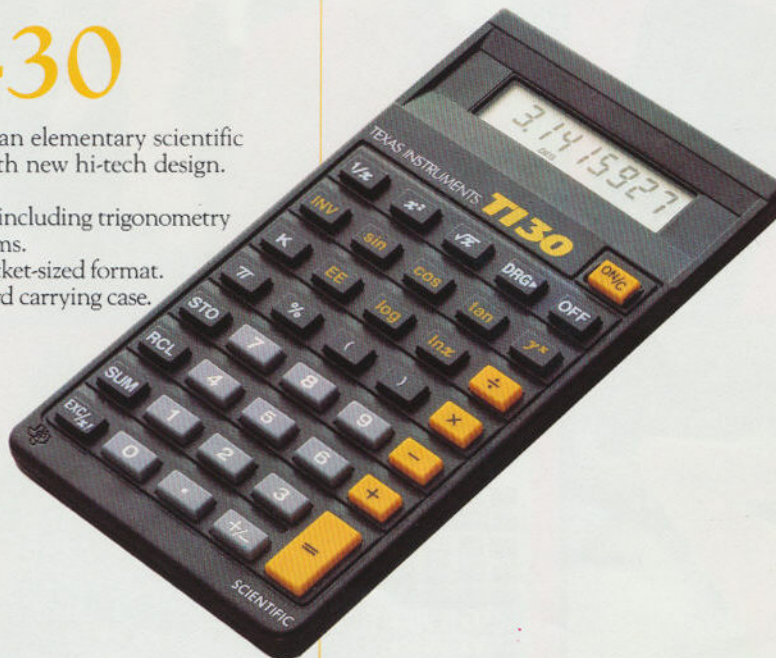
## TI-18 SLR

The TI-18 SLR is a basic light-powered scientific calculator.  
Features :  
26 functions for basic maths, including %,  $1/x$ ,  $x^2$ ,  $\sqrt{x}$ ,  $\pi$  and single-level parentheses.  
Pocket-sized.  
Slide-on hard carrying case.

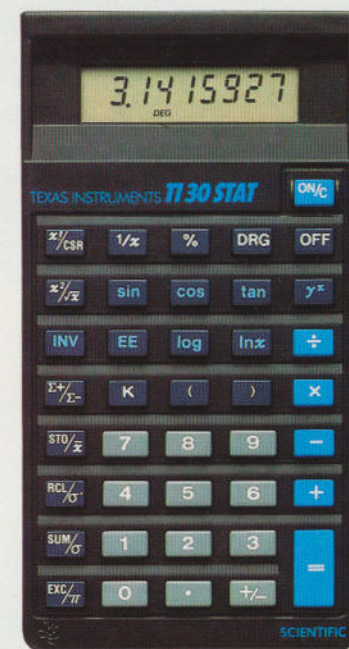
## TI-30

The TI-30 is an elementary scientific calculator with new hi-tech design.

Features :  
51 functions, including trigonometry and logarithms.  
Slim-line, pocket-sized format.  
Protective hard carrying case.



## TI-30 STAT



The TI-30 STAT is a slim, modern pocket calculator, attractively designed in blue.

Features :  
56 basic, scientific and statistical functions, including means and standard deviation.  
Dark blue hard carrying case.



# High performance calculators for science and math students

This more advanced range of easy-to-use calculators helps students in the learning process.

## TI-30 GALAXY



The TI-30 Galaxy, combining high performance with advanced design, is the top model in the TI range of basic math calculators.

- Features :
- 66 scientific and statistical functions.
  - Pending operations indicators.
  - Constant memory.
  - Extra-large keys.
  - Horizontal colour-coded keyboard.
  - Tilted display.
  - Hard carrying case.

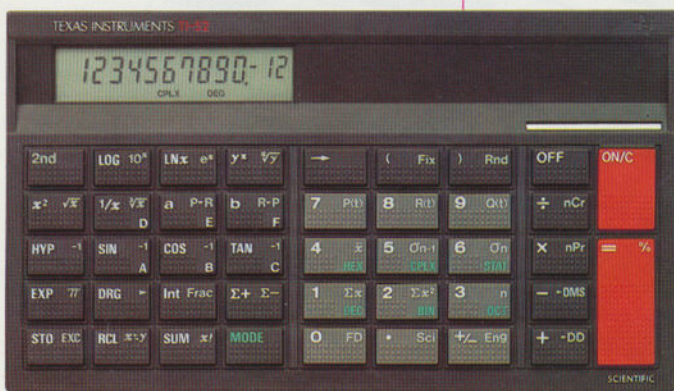


## TI-52

The TI-52, the most powerful of TI's range of non-programmable scientific calculators, is intended for Advanced level maths, physics and computer science students.

- Features :
- 95 functions, including 1-variable

- statistics, base conversions, normal curves and complex numbers.
- Extra large keys on horizontal keyboard.
- Hard carrying case for maximum protection.



## TI-31 SOLAR

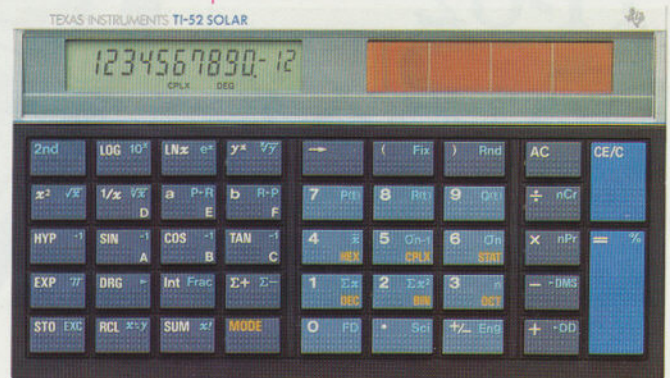


The TI-31 SLR is a high performance calculator, pocket-sized and light-powered, it comes with a slide-on hard cover. Features include 63 of the most used scientific and statistics functions.

## TI-52 SOLAR

The TI-52 SLR is a new super high performance calculator for solving all math, statistics and physics problems. Features :

- 95 functions, including 1-variable statistics, base conversions, normal curves and complex numbers.
- Extra-large keys on horizontal keyboard.
- Light-powered.
- Hard carrying case for maximum protection.

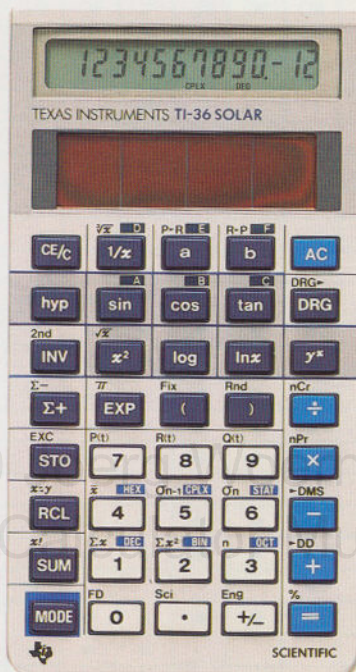


# High quality calculators for advanced students and professionals

These three pocket-sized calculators incorporate high performance and elegant design.



TI-36 SOLAR



TI-53

The TI-53 is a useful tool for students and professionals who need to do complex, repetitive calculations.

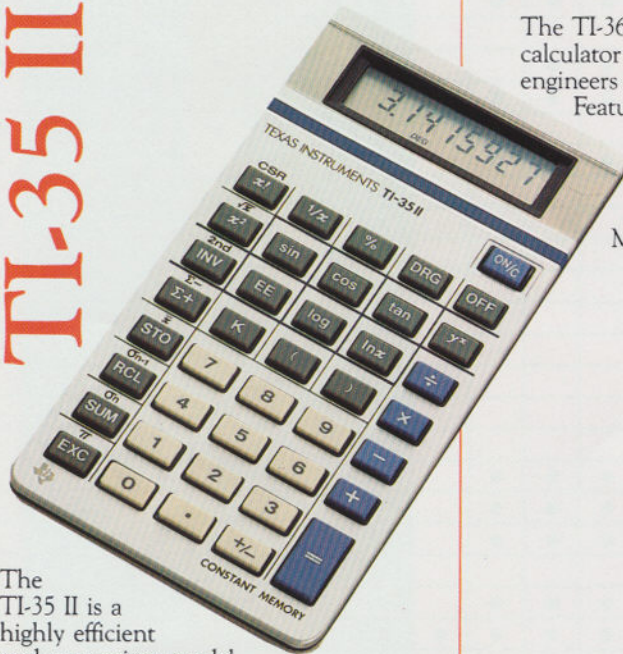
Features :

51 functions, including trigonometry and logarithms.

32 programming steps, permitting entry of programs or formulæ into memory for repetitive scientific and statistical calculations.

Tilted display and keyboard for ease of use.

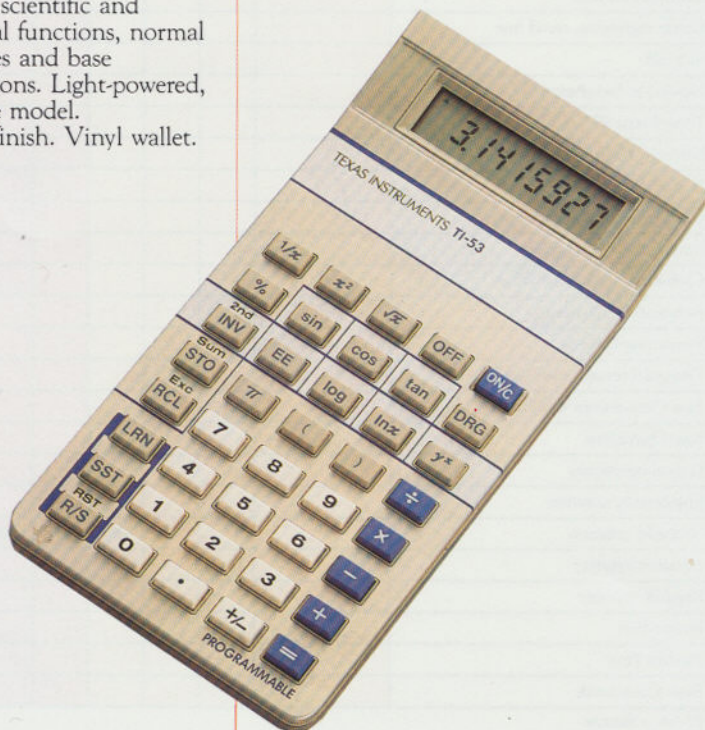
TI-35 II



The TI-35 II is a highly efficient and convenient model with an attractive metallic finish. Features : 57 functions, including 1-variable statistics. Protective carrying case.

The TI-36 SLR is a high performance calculator for professionals, technical engineers or statisticians.

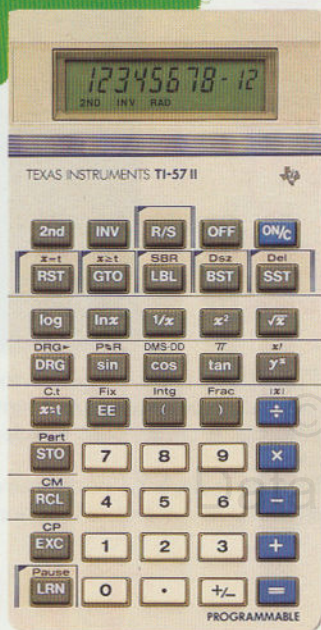
Features : 95 scientific and statistical functions, normal curves and base conversions. Light-powered, slim-line model. Metallic finish. Vinyl wallet.



# Programmable answer to complex maths problems

Programmable calculators to promote greater understanding of mathematical reasoning.

## TI-57 II



The TI-57 II is a dual personality calculator : a high performance scientific calculator that's also a useful introductory guide to programming. In addition to permitting the construction of formulae for calculations, it allows building up very complex programs for self-instruction in computer logic.

Features :

- 80 functions.
- 48 programming steps or 7 data memories, with tests, loops and subroutines.

## TI-62 GALAXY

The TI-62 Galaxy is a new high performance, programmable, scientific calculator that makes both mathematics and programming easy to learn. It helps students to see how functions work and to follow equations and programs as they create them.

Features :

- Alphanumeric display shows each

The TI-66 is specially designed to carry out numerous repetitive calculations requiring large programming capacity and flexibility.

It features 150 scientific and statistical functions, including 2-variable statistics, regression, trend-line analysis, and standard deviation.

512 programming steps or 64 data memories, including constant memory, tests, branching, loops, flags and subroutines.

The prompting indicator, a TI exclusive, gives added information about the result, helps you with your next step - especially when doing polar/rectangular conversions - and works on 2-variable statistics.

Tilted, computer-style keyboard and easy-to-read display.

## TI-56

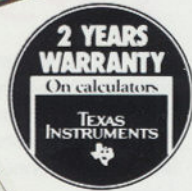
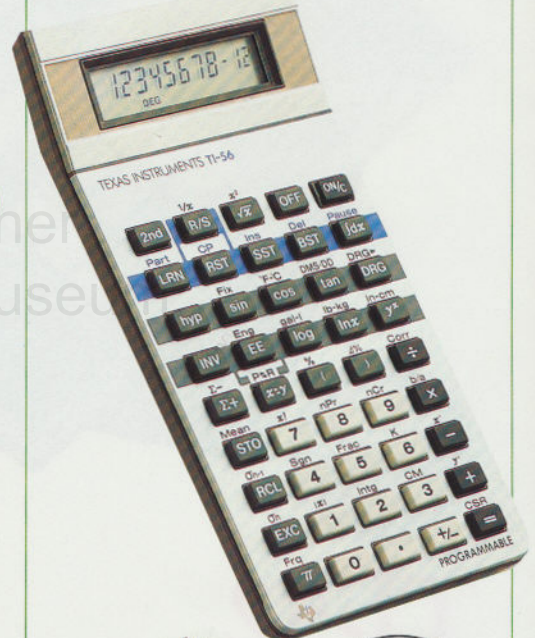
The TI-56 is a scientific calculator designed to carry out the most complicated mathematical, statistical, and scientific calculations.

Features :

- 122 functions, including unit conversions, polar/ rectangular coordinate conversions, and 2-variable statistics.

- 56 programming steps for storing scientific formule and programs.
- Hard protective carrying case.
- Detailed instruction booklet with many practical examples.

## TI-66



# An advanced scientific calculator and a pocket computer all in one

First of a new generation  
of machines.

## TI-74 BASICALC

Easy to use as either a scientific calculator or an advanced pocket computer - because the TI-74 BASICALC is both. It is programmable in BASIC and has an optional module in PASCAL, making it the only portable computer that works in both languages.

### Computer Features :

Complete Basic language, with 113 integrated key words.

Integral 8K Random Access Memory (extendable to 16K with cartridge).

Large display with alphanumeric characters.

Connector ports for memory expansion (RAM/ROM) and peripherals.

Computer-style keyboard with large, well spaced keys.

4 optional cartridges : memory expansion module, statistics module (14 statistical programs), mathematics module (14 mathematical programs), and Learn PASCAL module.

Peripherals include a cassette interface, and a 24-column thermal printer.

Detailed 300-page instruction manual, with precise descriptions of 113 Basic keywords.

### Calculator Features :

200 scientific and statistical functions for the most complex calculations in mathematics, statistics, and physics.

Alphanumeric display with function-prompting guide for 2-variable statistics calculations and polar/rectangular coordinate conversions.

Simple to use hi-tech design.

Hard protective carrying case.



programming step as it is entered.  
Trace mode shows steps as they are executed, permitting students to follow programmes as they run.  
List command permits instant checking of programs entered.  
Up to 100 program steps or 10 data memories, with flexible automatic partitioning.  
91 scientific and statistical functions, including 2-variable statistics.  
Horizontal, computer-style keyboard with large well-spaced keys arranged by

function and type.  
Tilted display for ease of use.  
Hard protective carrying case.

# Business calculators for students and professionals

These powerful specialist calculators help business students and professionals with all complex financial calculations.

## BA-II

The BA II is a financial calculator for business students, financial analysts and other professionals.

Features :

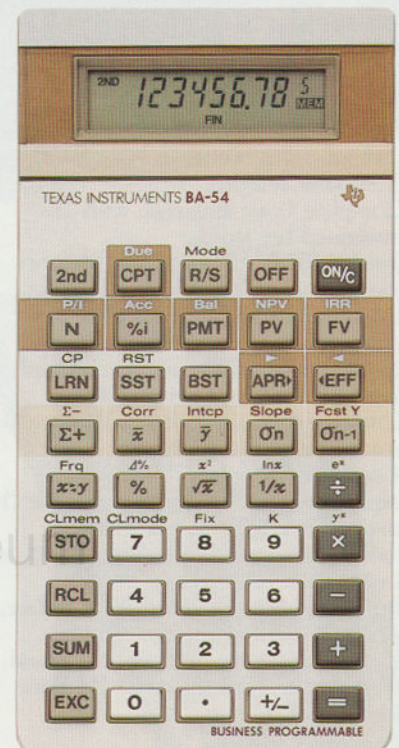
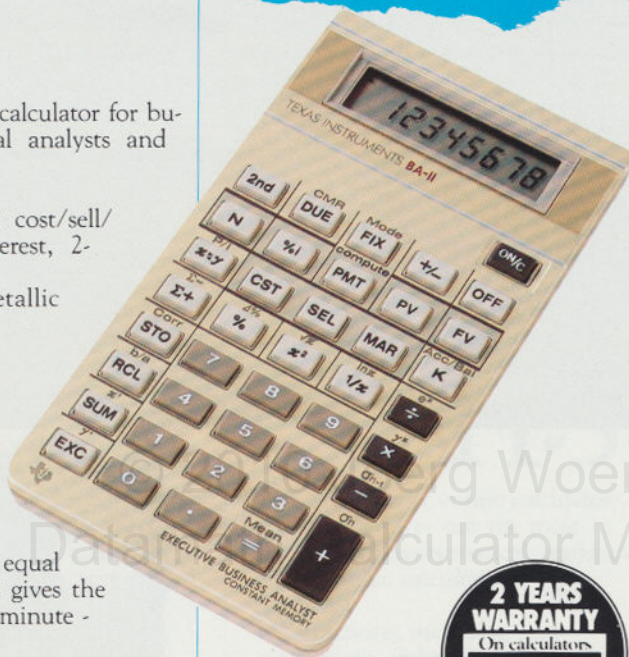
52 functions, including cost/sell/margin, compound interest, 2-variable statistics.

Distinctive golden metallic finish.

Stylish vinyl wallet.

Sample calculation for BA II :

What would be the monthly payment on a loan of £ 10,000 at 17% annual effective interest, compounded monthly, repaid over 5 years in 60 equal installments? The BA II gives the answer in less than one minute - £ 242.14.



## TI-PROGRAMMER II

The TI-Programmer II is a highly specialized tool for computer specialists and hobbyists.

Features :

Calculates in hexadecimal, octal and decimal.

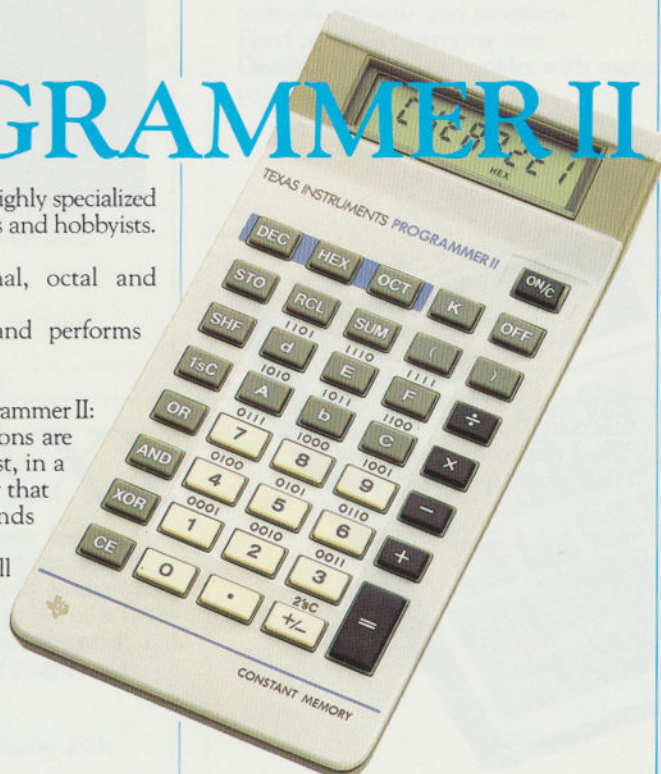
Does base conversions and performs logical operations.

Protective vinyl pouch.

Sample calculation for programmer II:

How many memory locations are available, excluding the first, in a block of computer memory that begins at  $6015_{16}$  and ends at  $62CA_{16}$  ?

The Programmer II can tell you in four key operations - 693.



## BA-54

The BA 54 is a top performance programmable financial calculator for professional use, designed to facilitate repetitive calculations and financial evaluations of all types.

Features :

71 functions, including compound interest, cash-flow calculations; and 2-variable statistics.

Tilted display for easy desktop use.

Elegant metallic finish.

Hard protective carrying case.



# Calculator Selection Chart

| MODEL                             | PRIMARY SCHOOL | SCIENTIFIC |       |            |          |             |              |       |             |             |       | SCIENTIFIC PROGR. |          |              |       |           | PROG. | BUSINESS |       | BASICALC |
|-----------------------------------|----------------|------------|-------|------------|----------|-------------|--------------|-------|-------------|-------------|-------|-------------------|----------|--------------|-------|-----------|-------|----------|-------|----------|
|                                   | TL-1103        | TL-18 SLR  | TL-30 | TL-30 STAT | TL-35 II | TL-31 SOLAR | TL-30 GALAXY | TL-52 | TL-52 SOLAR | TL-36 SOLAR | TL-53 | TL-56             | TL-57 II | TL-62 GALAXY | TL-66 | PROGR. II | BA-II | BA-54    |       |          |
| Digits displayed                  | 8              | 8          | 8     | 8          | 8        | 8           | 8            | 10    | 10          | 10          | 8     | 8                 | 8        | 10           | 10    | 8         | 8     | 8        | 31    |          |
| Mantissa + exponent               |                |            | 5+2   | 5+2        | 5+2      | 5+2         | 5+2          | 10+2  | 10+2        | 10+2        | 5+2   | 8+2               | 8+2      | 10+2         | 7+2   |           |       |          | 10+3  |          |
| Internal Computation Digits       | 8              | 8          | 11    | 11         | 11       | 11          | 11           | 12    | 12          | 12          | 11    | 11                | 11       | 13           | 13    | 9         | 11    | 11       | 13    |          |
| Power Supply (*)                  | BC             | L          | BC    | BC         | BC       | L           | BC           | BC    | L           | L           | BC    | BC                | BC       | BC           | BC    | BC        | BC    | BC       | AAA   |          |
| Memories (max.)                   | 1              | 1          | 1     | 1          | 1        | 1           | 1            | 1     | 1           | 1           | 1     | 8                 | 8        | 10           | 64    | 1         | 1     | 5        | 8-16K |          |
| Program Steps (max.)              |                |            |       |            |          |             |              |       |             |             | 32    | 56                | 48       | 100          | 512   |           |       | 40       | 8-16K |          |
| Parenthesis Level                 |                | 1          | 15    | 15         | 15       | 15          | 15           | 15    | 15          | 15          | 15    | 15                | 15       | 15           | 9     | 15        |       |          | 22    |          |
| Max. number of pending operations | 1              | 1          | 4     | 4          | 4        | 4           | 4            | 6     | 6           | 6           | 4     | 4                 | 4        | 4            | 8     |           |       |          | 10    |          |
| Stat. Functions (1-2 Variables)   |                |            |       | 1          | 1        | 1           | 1            | 1     | 1           | 1           |       | 2                 |          | 2            | 2     |           | 2     | 2        | 2     |          |
| $\Sigma x, \Sigma x^2$            |                |            |       |            |          | •           |              | •     | •           | •           |       |                   |          | •            | •     |           |       |          | •     |          |
| Subroutines Levels                |                |            |       |            |          |             |              |       |             |             |       |                   | 1        | 3            | 6     |           |       |          | (**)  |          |
| Labels                            |                |            |       |            |          |             |              |       |             |             |       |                   | 10       | 12           | 72    |           |       |          |       |          |
| $1/x, \sqrt{x}, x^2$              |                | •          | •     | •          | •        | •           | •            | •     | •           | •           | •     | •                 | •        | •            | •     |           | •     | •        | •     |          |
| APDTM Automatic Power Down        | •              |            | •     | •          | •        | •           | •            | •     | •           | •           | •     | •                 | •        | •            | •     | •         | •     | •        | •     |          |
| $\ln x, e^x, y^x, x \sqrt{y}$     |                |            | •     | •          | •        | •           | •            | •     | •           | •           | •     | •                 | •        | •            | •     | •         | •     | •        | •     |          |
| Constant Memory                   | •              |            | •     | •          | •        | •           | •            | •     | •           | •           | •     | •                 | •        | •            | •     | •         | •     | •        | •     |          |
| AOSTM Entry System                |                |            | •     | •          | •        | •           | •            | •     | •           | •           | •     | •                 | •        | •            | •     | •         | •     | •        | •     |          |
| Cos. Sin. Tan/Inv                 |                |            | •     | •          | •        | •           | •            | •     | •           | •           | •     | •                 | •        | •            | •     | •         | •     | •        | •     |          |
| Hyperbolics                       |                |            |       |            |          |             |              | •     | •           | •           |       | •                 |          |              |       |           |       |          | •     |          |
| x!                                |                |            | •     | •          | •        | •           | •            | •     | •           | •           | •     | •                 | •        | •            | •     |           |       |          | •     |          |
| Rigid Carrying Case               | •              | •          | •     | •          | •        | •           | •            | •     | •           | •           | •     | •                 | •        | •            | •     |           |       | •        | •     |          |
| Fixed Decimal Option              |                |            | •     |            |          |             |              | •     | •           | •           |       | •                 | •        | •            | •     |           | •     | •        | •     |          |
| Deg/Rad/Grad conversions          |                |            | •     | •          | •        | •           | •            | •     | •           | •           |       | •                 | •        | •            | •     |           |       |          | •     |          |
| Deg Min Sec/Dec Deg conversions   |                |            |       |            |          | •           | •            | •     | •           | •           |       | •                 | •        | •            | •     |           |       |          | •     |          |
| Polar/Rectangular conversions     |                |            |       |            |          | •           | •            | •     | •           | •           |       | •                 | •        | •            | •     |           |       |          | •     |          |
| Metric conversion                 |                |            |       |            |          |             |              |       |             |             |       | 8                 |          |              |       |           |       |          | •     |          |
| Integer/fractional/x              |                |            |       |            |          |             |              | •     | •           | •           |       | •                 | •        | •            | •     |           |       |          | •     |          |
| Distribution keys                 |                |            |       |            |          |             |              | •     | •           | •           |       |                   |          |              |       |           |       |          | •     |          |
| Linear regression, trend line     |                |            |       |            |          |             |              |       |             |             |       | •                 |          | •            | •     |           | •     | •        | •     |          |
| nCr nPr                           |                |            |       |            |          |             |              | •     | •           | •           |       | •                 |          |              |       |           |       |          | •     |          |
| Numerical Integration             |                |            |       |            |          |             |              |       |             |             |       | •                 |          |              |       |           |       |          | •     |          |
| Tests/Loops (DSZ)                 |                |            |       |            |          |             |              |       |             |             |       |                   | •        | •            | •     |           |       |          | •     |          |
| Financial Functions               |                |            |       |            |          |             |              |       |             |             |       |                   |          |              |       |           | •     | •        | •     |          |
| N, %i, PMT, PV, FV                |                |            |       |            |          |             |              |       |             |             |       |                   |          |              |       |           | •     | •        | •     |          |
| Cost Price/Sales Price/Profit     |                |            |       |            |          |             |              |       |             |             |       |                   |          |              |       |           | •     |          | •     |          |
| Internal rate of return           |                |            |       |            |          |             |              |       |             |             |       |                   |          |              |       |           |       | •        | •     |          |
| Cash-flow net present value       |                |            |       |            |          |             |              |       |             |             |       |                   |          |              |       |           |       | •        | •     |          |
| Accumulated Interest              |                |            |       |            |          |             |              |       |             |             |       |                   |          |              |       |           | •     | •        | •     |          |
| Remaining Balance                 |                |            |       |            |          |             |              |       |             |             |       |                   |          |              |       |           | •     | •        | •     |          |
| Decimal/Hexadecimal/Octal         |                |            |       |            |          |             |              | •     | •           | •           |       |                   |          |              |       | •         |       |          | •     |          |
| Base Conversions (D.H.O.)         |                |            |       |            |          |             |              | •     | •           | •           |       |                   |          |              |       | •         |       |          | •     |          |
| Base Operations                   |                |            |       |            |          |             |              | •     | •           | •           |       |                   |          |              |       | •         |       |          | •     |          |
| Logical operations                |                |            |       |            |          |             |              | •     | •           | •           |       |                   |          |              |       | •         |       |          | •     |          |
| Engineering notation              |                |            |       |            |          |             |              | •     | •           | •           |       | •                 |          | •            |       |           |       |          | •     |          |
| Scientific notation               |                |            | •     | •          | •        | •           | •            | •     | •           | •           | •     | •                 | •        | •            | •     |           |       |          | •     |          |
| Complex number                    |                |            |       |            |          |             |              | •     | •           | •           |       |                   |          |              |       |           |       |          | •     |          |
| Random number                     |                |            |       |            |          |             |              | •     | •           | •           |       |                   |          |              |       |           |       |          | •     |          |
| Printer Port                      |                |            |       |            |          |             |              |       |             |             |       |                   |          |              |       |           |       |          | •     |          |
| Module Port                       |                |            |       |            |          |             |              |       |             |             |       |                   |          |              |       |           |       |          | •     |          |
| Basic Commands                    |                |            |       |            |          |             |              |       |             |             |       |                   |          |              |       |           |       |          | 113   |          |

(\*) AA = Batteries  
 BC = Button Cell Batteries  
 L = Light Powered  
 (\*\*) = Limited by RAM capacity

Synergie, K.E. RC Paris B 682.035.951