

TI-65 TECHNICAL ANALYST™

Gives students and professionals involved in the pure sciences a powerful edge in physics, chemistry, engineering and math calculations



(21.48)
 (21.49)
 not yield a con-
 ne integral does con-
 the weighting function:
 $H_n(-\xi) = (-1)^n H_n(\xi)$
 polynomials two formulas are very

- Explanation**
- Error 1 Over/underflow, undefined
 - Error 2 Memory conflict
 - Error 3 Program memory full
 - Error 4 Statistics registers unavailable
 - Error 5 Statistics mode only
 - Error 6 Learn mode or program only
 - Error 7 Label not found
 - Error 8 Subroutine level overflow
 - Error 9 Integration: memories 0-2 unavailable, no program, or halted with [R/S]

Memory Store/Recall
 Store Press [STO] memory address
 Recall Press [RCL] memory address

Memory Arithmetic

- Operations: +, -, x, ÷, y^x, y^y
1. Enter the number that is to operate on the value in memory.
 2. Press [STO]
 3. Enter the key representing the address of the user memory.
 4. Press the key representing the address of the user memory.

Integration: Keystrokes

1. [2nd] [PUM] [2]
2. [2nd] [LRN] (enter your function program) [2] [R/S]
3. [2nd] [LRN]
4. (enter lower limit) [STO] [2]
5. (enter upper limit) [STO] [2]
6. (enter number of integration intervals) [R/S]

Timer

- Count up—[3rd] [TUPΔ]
 Count down—[2nd] [TDnY]
 Store the displayed timer—Press a key representing a memory address
 Recall the timer—[RCL] [2]

Statistical Data Entry/Removal

- Single value**
 Enter: x [2nd] [Σ+]
 Remove: x [2nd] [Σ-]
 Enter: x [2nd] [Σ+] y [2nd] [Σ-]
 Remove: x [2nd] [Σ-]
 Enter: x [2nd] [FREQ]
 Remove: x [2nd] [FREQ]
 n [2nd] [Σ-]

Multiple Entry

- Enter: x [2nd] [FREQ]
 Remove: x [2nd] [FREQ]
 n [2nd] [Σ-]

TEXAS INSTRUMENTS TI-65

0.79863551

TECHNICAL ANALYST

TI-65 TECHNICAL ANALYST™

10-digit plus 2-digit exponent, LCD advanced scientific calculator with 148 functions, 100 programmable steps, English/Metric conversions, integration and timer capabilities

Now students, scientists, engineers, lab technicians and other practicing professionals have more power than ever at their fingertips with the remarkably versatile TI-65 Technical Analyst from Texas Instruments. Instantly, this advanced scientific calculator gives you the built-in capabilities you need most — like programming, computer conversions, integration, English/Metric conversions, stopwatch/timer.

Easy keystroke programmability lets you enter up to 100 program steps with 16 interchangeable user memories. That's a real plus for repetitive and complex calculations. Other keystroke capabilities include looping/branching, subroutine calls and decision making.

And that's just the beginning.

The TI-65 is the right answer to physics or chemistry problems, with 16 built-in English-Metric conversions and 8 commonly used physical constants that are ideal for interpreting lab data. There's even a stopwatch/timer to insure your experiments and results are accurate at every step.

You'll find 148 built-in functions ready for demanding computations. These include polar/rectangular coordinate conversions, factorials, universal powers, and trigonometric calculations, including inverses, in degrees, rads or grads.

Prepared for the toughest calculus challenges, the Technical Analyst's integration feature simplifies problems using Simpson's Rule for definite integrals. And when it comes to forecasting and budgeting, you can perform 2-variable statistics like trend line analysis and linear regression.

Enter numbers and display results in octal, decimal or hexadecimal number bases. Convert from one base to another instantly. Work in floating decimal, scientific or engineering notation. Your possibilities are almost endless.

When you're not using the TI-65, it still works in your favor. The Automatic Power Down (APD™) feature "powers down" the calculator if no key is pressed for 15 to 35 minutes, extending battery life. And the handy constant memory feature stores memory and program data even if the calculator is turned off.

An applications-oriented guidebook includes step-by-step examples and explanations of most-used functions.

The powerful TI-65 Technical Analyst from Texas Instruments. Specially designed for students and technical professionals who require flexibility, performance and a whole lot more.

Special Features:

- Designed for college students and practicing science, math and engineering professionals.
- Performs 148 functions.
- 100 program steps.
- 16 interchangeable memories.
- AOS™ algebraic operating system allows entry of problems as they are normally written, left to right.
- 16 built-in English-Metric conversions.
- 8 physical constants.
- Stopwatch/Timer.
- Scientific functions, including reciprocals, common and natural logarithms, universal powers, polar/rectangular conversions, roots, factorials, and trigonometric calculations, including inverses, in degrees, radians or grads.
- Integration using Simpson's Rule.
- Statistical functions (2-variable), including calculations for linear regression and trend line analysis, as well as mean and standard deviation.
- Constant memory feature.
- Automatic power down (APD™) feature extends battery life.
- Enter numbers and perform calculations in octal, decimal or hexadecimal number bases.
- Floating decimal, scientific or engineering notation.
- 10-digit, 2-exponent display.
- Applications-oriented guidebook, hard shell carrying case and quick reference guide.

Specifications

Display: LCD 10-digit plus 2-digit exponent display

Size: 14.6 cm long by 9.5 cm wide by 2.1 cm thick in the case (5.8 × 3.7 × 0.8 inches)

Weight: 6.6 ounces

Power: Battery



**TEXAS
INSTRUMENTS**

Limited Warranty

The TI-65 Technical Analyst is covered by a one-year limited warranty against defects in materials and workmanship. The full text of this warranty is published in the owner's manual and the quick reference guide accompanying the TI-65 Technical Analyst.

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