



Orion TI-84 Plus

The World's Most Advanced Talking Graphing Calculator

Powerful graphing calculator with built in accessibility through audio and haptic feedback

Ideal for General math, Algebra, Geometry, Trigonometry, Calculus, Linear Algebra, Chemistry, Physics, Biology, Statistics, Business and Finance, and Engineering

Features

- ▶ **LCD display and keypad** functionality are **identical** to the standard TI-84 Plus
- ▶ **Unique Learning Mode** for instantaneous key identification without interrupting operation
- ▶ Use the **screen reader** to review the screen without losing your place
- ▶ **Superb synthesized speech quality** with choice of voices, speech rates, and pitch
- ▶ **Full access** to graphs through speech output of coordinates and the innovative SonoGraph, including **differential sounds** for negative regions and axis crossing points
- ▶ Unique **haptic feedback** for multi-modal visualization of graphs
- ▶ Listen using stereo earphones or built-in stereo speakers
- ▶ Each key is spoken when pressed
- ▶ Scroll the history of calculations and **quickly recall** input/output
- ▶ **High capacity** rechargeable battery; charge from a USB port
- ▶ Connect to your computer via USB cable to **print or emboss graphs** and other work (requires a printer or embosser)
- ▶ Expandable hardware accessories using USB Host port
- ▶ **Fully upgradable** via supplied USB cable
- ▶ Ability to **output all text as braille** when connected to the Orbit Reader 20 braille display
- ▶ Math expressions can be shown in either Nemeth code or UEB
- ▶ Ability to connect to the Graphiti Tactile Graphics Display, enabling graphs and other on-screen information to be displayed in real time as **tactile graphics**
- ▶ Fully programmable - supports **TI-Basic** and **ASM**
- ▶ Permitted for use on **exams**: AP, SAT and ACT
- ▶ Weight: 285g Dimensions: 236 x 88 x 25mm
- ▶ Protective **sliding case**



Scientific and Graphing Functions

- ▶ **Real and complex** numbers calculated to **14-digit** accuracy and displayed with 10 digits plus a two-digit exponent
- ▶ **Graphs 10** rectangular functions, **six** parametric expressions, **six** polar expressions and **three** recursively-defined sequences
- ▶ Up to **10 graphing functions** defined, saved, graphed and analyzed at one time
- ▶ Function evaluation table shows numeric evaluation of functions in table format
- ▶ **Interactive analysis** of function values, roots, maximums, minimums, integrals and derivatives
- ▶ **Matrix operations** including inverse, determinant, transpose, augment, reduced row echelon form and elementary row operations
- ▶ List-based **one- and two-variable statistical analysis**
- ▶ **Three statistical plot definitions** for scatter plots, xy-line plots, histograms, and box-and-whisker plots
- ▶ Advanced statistics features including **10** hypothesis testing functions, **seven** confidence interval functions and **one-way** analysis of variance
- ▶ **Fifteen probability distribution functions** including Normal, Student-t, Chi-square, Binomial and Poisson
- ▶ **Business functions** including Time-Value-of-Money (TVM), cash flows, and amortization
- ▶ **Interactive equation solver editor** for solving for different variables in an equation
- ▶ Alphabetical **catalog** of all TI calculator operations in one menu



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