| Feature |  |  | fx-991EX |
| :---: | :---: | :---: | :---: |
| SPECIFICATIONS | Power Supply |  | $\begin{gathered} \text { Solar + } \\ \text { (G13/LR44) } \mathrm{x} \end{gathered}$ |
|  | Display (Lines or Dots) |  | $\begin{aligned} & 32 \times 6 \text { Lines } \\ & (192 \times 63 \text { Dots }) \end{aligned}$ |
|  | Auto Power OFF |  | x |
| DISPLAY / <br> EXPRESSION | Natural Textbook Display |  | x |
|  | Transformations | Input | x |
|  |  | Output (Fraction) | x |
|  |  | Output (pi, root) | x |
|  |  | UNDO | x |
|  |  | Sexagesimal-Decimal Transformation | X |
|  |  | Engineering Notation | x |
|  |  | Recurring Decimal | x |
| BASIC FUNCTIONS | Trigonometric, Inverse Trigonometric |  | X |
|  | Hyperbolic, Inverse Hyperbolic |  | x |
|  | Exponental, Logarithmic (log, In, 10x,ex) |  | X |
|  | Power and Radical Root |  | x |
|  | Fraction |  | x |
|  | Mixed Fraction |  | x |
|  | Pi |  | x |
|  | Rounding |  | x |
|  | Angle Unit / Conversion (Deg, Rad, Grad) |  | X |
|  | GCD/LCM |  | - |
|  | Remainder ( $\mathrm{R} \div$ ) |  | - |
|  | Base Specified Logarithmic (Log aB) |  | X |
|  | Prime Factorization |  | x |
|  | Ratio Calculation |  | x |
| UTILITIES | Variables |  | 9 |
|  |  | Variables List | X |
|  | Answer Memory (Ans) |  | x |
|  | Previous Answer Memory (Pre Ans) |  | X |
|  | Engineering Symbol Calculation |  | $x$ |
|  | Solve function |  | x |
|  | CALC Function (Stored Formula Calculation) |  | X |
|  | Scientific Constant |  | 47 |
|  | Metric Conversion |  | 40 |
| SPECIAL FEATURES | Statistics |  | x |
|  |  | Standard Deviation | x |
|  |  | Regression | x |
|  |  | Variance | x |
|  |  | Stat Values List | x |
|  | Combination, Permutation ( $\mathrm{nCr}, \mathrm{nPr}$ ) |  | X |
|  | Random Numbers |  | x |
|  | Random Integers (Ranlnt) |  | x |
|  | Integer / Nearest Lower Integer (Int,Intg) |  | - |
|  | Table Function |  | $x$ |
|  |  | Type of Table | $\begin{gathered} f(x) \\ f(x), g(x) \end{gathered}$ |
|  | Complex Number Calculation |  | X |
|  | Differentiation, Integration Calculation |  | X |
|  | Base-N Calculations |  | x |
|  | Matrix Calculations |  | x |
|  | Vector Calculations |  | x |
|  | Equation Calculation |  | x |
|  |  | Simultaneous Equation | x |
|  |  | Polynomial Equation | x |
|  |  | Storing Result | x |
|  | Inequality Calculation |  | x |
|  | Sum Calculation (SIGMA) |  | x |
|  | Product Calculation (Product of $f(x)$ ) |  | - |
|  | Verify Function |  | - |
|  | Distribution Calculation |  | x |
|  | Spreadsheet |  | x |



A new high-performance scientific that has higher resolution to increase the amount of information to be displayed and super-fast calculations for high-stakes testing or for performing the most advanced mathematics.

Its new high resolution LCD screen allows for more information for applications like Spread-sheets and 4X4 matrix calculations. This calculator has a comprehensive set of advanced calculations for integration \& differential calculations, along with vector and inequality calculations. For the middle and high school grades, we've incorporated basic spreadsheet functionality, ratio and statistical functionality, down to ratio calculation and prime factorization.

No matter what the need, this scientific can do it all! Need graphical representation for data generated by the fx-991EX - no problem! Generate a QR code for your problem, scan the code and immediately see a graphical representation of your data; with a classroom, students can see their collective date in real time with other students.

