



**SHARP**

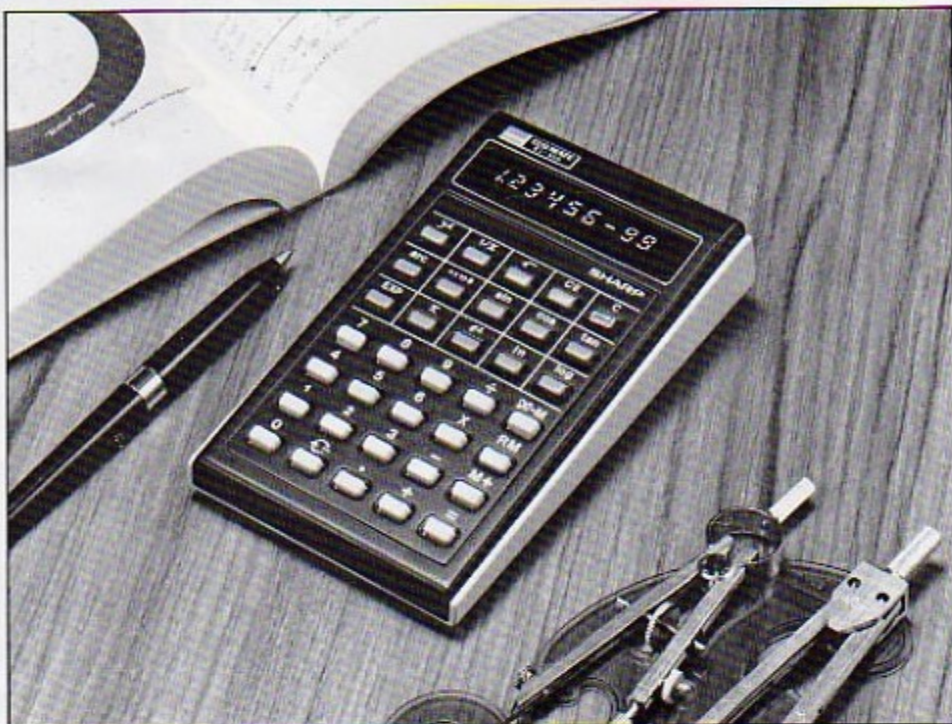
EXCITING NEW PRODUCTS  
FOR EXPANDING NEW MARKETS

# SCIENTIFIC

## MODEL EL-500

### PERSONAL 8-DIGIT (OR 6-DIGIT MANTISSA/ 2-DIGIT EXPONENT) SCIENTIFIC CALCULATOR WITH MEMORY

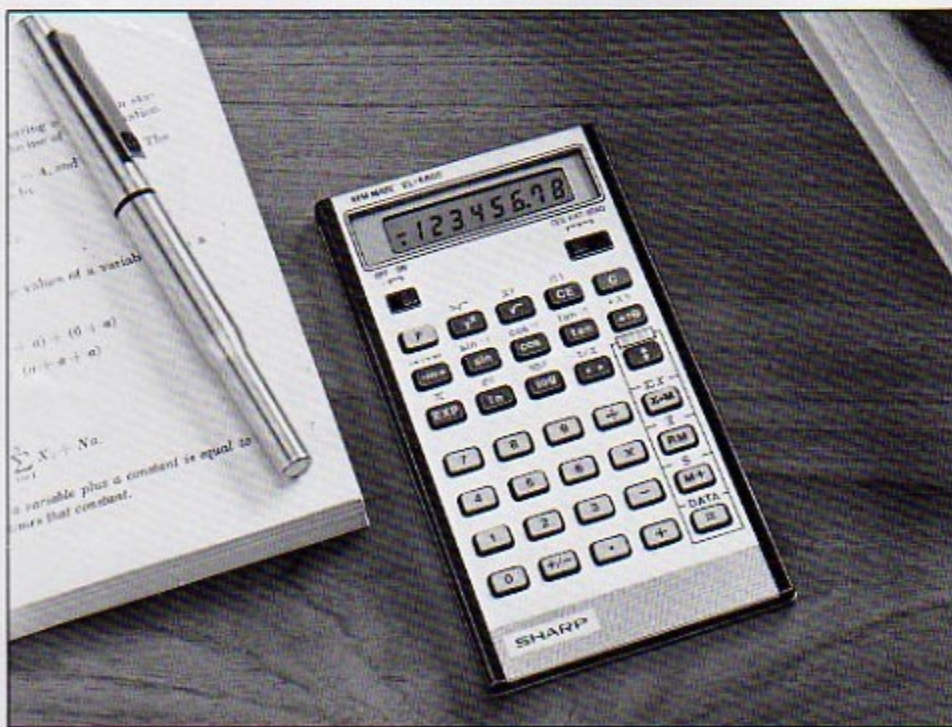
- Sharp's EL-500 scientific calculator with 8-digit or 6-digit mantissa/2-digit exponent scientific notation gives you far more accuracy for the same money
- A memory enables you to perform complex chains of calculations using both basic arithmetic and scientific functions
- Performs all trig and inverse trig, log, square root, reciprocal and power calculations, and degree conversion (Degree/Minute/Second  $\rightleftharpoons$  Decimal notation degree)
- Includes an error check indicator preventing costly mistakes
- Operates on dry batteries or AC with optional adaptor
- Perfect for all students, designers, scientists, technicians and mathematicians who need versatility, accuracy and speed
- Comes complete with soft vinyl carrying case.



## MODEL EL-5805

### SCIENTIFIC CALCULATOR WITH 21 PRE-PROGRAMMED FUNCTIONS ONLY 7.6mm THIN

- The EL-5805 scientific calculator is an 8-digit floating decimal or scientific notation calculator with memory
- Pre-programmed for 21 scientific functions
- Statistical functions for standard deviation, with statistical mode indicator
- Easy-to-read high contrast FEM type liquid crystal display
- Indicators for minus, memory, error and battery condition
- Constant, chain, power, scientific and statistical calculations
- Special energy conservation circuitry extends life of the two silver oxide batteries to approximately 1,000 hours
- Overflow error check device
- Complete with leather grained pocket carrying case.





### MODEL EL-501

#### SCIENTIFIC CALCULATOR WITH 19 PRE-PROGRAMMED FUNCTIONS 8-DIGIT MANTISSA/2-DIGIT EXPONENT WITH MEMORY

- The EL-501 has practically limitless capacity with the 8-digit mantissa and 2-digit exponent
- Pre-programmed for 19 scientific functions
- Instant answers to trigonometric, inverse trigonometric and logarithmic calculations
- Factorial key for calculation of permutations and combinations
- Handy square root and cube root keys
- Convenient  $e^x$ ,  $Y^x$ ,  $X^2$ ,  $\pi$ ,  $1/X$  and  $10^x$  keys
- Transformation key (Degree/Minute/Second  $\leftrightarrow$  Decimal notation degree)
- Independently addressable memory
- Bright, fluorescent display with zero suppression
- Operates on batteries or AC with optional adaptor
- Pocketable dimensions
- Comes complete with soft vinyl carrying case
- Ideally suited for student use, high school through college.



### MODEL EL-5804

#### EXTRA-SLIM (7mm) 8-DIGIT SCIENTIFIC CALCULATOR WITH DIRECT ACCESS MEMORY

- Long, slim dimensions. Only 7mm thin. Designed in the shape of a slide rule for extra ease of operation
- 8 digits (6-digit mantissa/2-digit exponent)
- Clear, easy-to-read FEM type liquid crystal display with extra low power consumption
- Separate command keys for trigonometric, inverse trigonometric and logarithmic functions
- Degree/Minute/Second  $\rightarrow$  Decimal notation degree transformation key
- Independently addressable memory system
- Extra convenient keys including  $\pi$ , square root,  $Y$  to the  $x$  power and reciprocal function
- Double-function clear key for the entire unit except the memory and for the last entry only
- Minus sign and error indicator
- Long battery life is provided by 3 silver oxide cells
- Durable, dependable LSI circuitry
- Beautiful soft vinyl case provided.



### MODEL EL-5803

#### SPECIAL PURPOSE SCIENTIFIC CALCULATOR FOR ELECTRICAL ENGINEERS

- A full-fledged portable calculator for ELECTRICAL ENGINEERS, electronics experts and those who work with impedances, watts and decibels
- Separate double-function command keys for trigonometric, logarithmic and other scientific functions
- 8-digit mantissa/2-digit exponent
- Scientific notation
- Independently addressable memory
- Bright green fluorescent display with zero suppression
- Minus sign, memory and error indicators
- Complete portability with 3 power sources (AC, dry cells, rechargeable batteries) (AC adaptor/charger and Ni-Cd batteries optional)
- This pocketable unit that weighs less than 7 ozs. comes complete with soft vinyl carrying case.



### MODEL PC-1201

#### ADVANCED HAND-HELD PROGRAMMABLE SCIENTIFIC CALCULATOR WITH CONTINUOUS MEMORY CAPABILITY

- 10-digit mantissa/2-digit exponent scientific notation
- Algebraic logic with three level brackets
- 12 memories and over 24 pre-programmed scientific functions
- This Hand-Held Programmable Scientific Calculator Is The Most Advanced Instrument For The Graduate Student, Engineer And Scientist
- 12-digit bright green fluorescent display
- Comes complete with rechargeable Ni-Cd batteries and AC charger/adaptor
- Comes complete with soft vinyl carrying case.

# PROFESSIONAL



## MODEL EL-8130

### SUPER THIN ( 5 mm) POCKET CALCULATOR WITH AUTO SENSING CONTROL PANEL

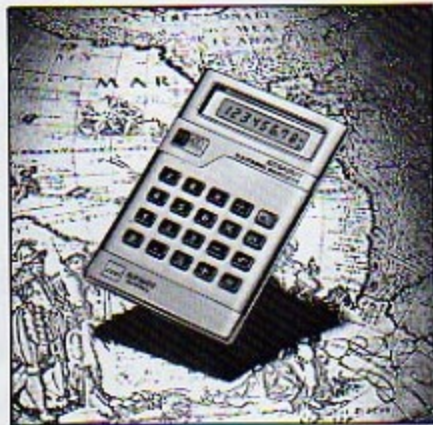
- Electronic Auto Sensing Control Panel
- No Key Tops, No Moving Parts
- Super thin. Only 5 mm!
- An instantaneous tone provides an audible verification with every key operation. The tone key enables you to select "tone mode" or silent operation
- Special energy conservation circuitry extends battery life to 400 hours in the "tone mode" or 600 hours with silent operation
- Convenient ON/C key with A.P.O. (Automatic Power Off)
- One touch percent and square root keys
- Convenient 4 key memory (M+, M-, RM, CM)
- Overflow error check device
- Satin metallic finish
- Complete with leather grained pocket carrying case.



## MODEL EL-8024

### POCKETABLE 8-DIGIT AC/DC CALCULATOR WITH TOTAL MEMORY, PERCENT AND SQUARE ROOT KEYS

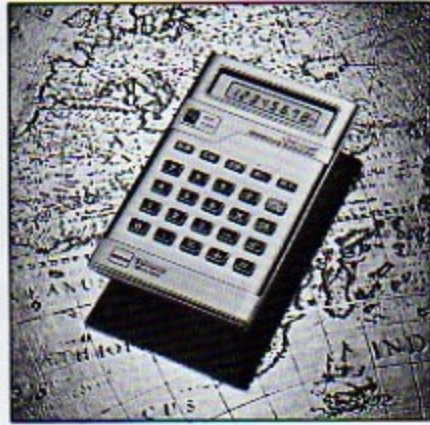
- The EL-8024, 8-digit calculator includes total memory, square root and percentage keys
- Low-power, FEM, liquid crystal display
- Operates on two batteries or on AC with optional adaptor
- Complete with leather grained carrying case.



## MODEL EL-8028

### THIN 7.6mm POCKET CALCULATOR WITH (FEM) OPTIMUM LEGIBILITY LIQUID CRYSTAL DISPLAY

- 7.6mm thin
- Special energy conservation circuitry extends life of the two silver oxide batteries to approximately 1200 hours
- Convenient ON/C key with A.P.O. (Automatic Power-Off)
- 8-digit FEM liquid crystal display for optimum legibility-zero suppression
- 5-key direct access memory (Model EL-8128 only)
- Full floating decimal
- Minus sign and error indicator, plus memory indicator for the EL-8128
- Constant, power, reciprocal, chain, square root, percentage and add-on/discount calculations
- Approximate results in excess of 8 digits
- Overflow error check device
- Complete with leather grained pocket carrying case.



## MODEL EL-8128

### THIN 7.6mm POCKET CALCULATOR WITH (LCD) AND 5 KEY MEMORY



## MODEL EL-8120S

### SUPER-THIN 7mm RECHARGEABLE 8-DIGIT CALCULATOR WITH MEMORY AND LIQUID CRYSTAL DISPLAY

- 8-digit energy-saving liquid crystal display
- Independently addressable memory
- Built-in rechargeable Ni-Cd extra long life batteries
- AC charger included
- Features double-function clear key, square root key and one-touch percent key
- Complete with leather grained pocket carrying case.



## MODEL EL-8029

### CALCULATOR WITH POCKET CLIP AND PEN & PENCIL CASE STYLING

- Pocketable Pen & Pencil Case Styling with hinged magnetic closure and pocket clip
- Easy-to-read FEM liquid crystal 8-digit display
- Convenient ON/C key with A.P.O. (Automatic Power-Off)
- One-touch percent and square root keys
- Special energy conservation circuitry extends battery life
- Overflow error check and minus sign indicators
- Supple leather grained case with space for pen & pencil set.



## MODEL EL-8019

### UNIQUE FOLDING CALCULATOR WITH MERCURY BATTERIES FOR UP TO 1,200 HOURS OF OPERATION

- A functional 8-digit calculator that actually folds in half like a woman's compact. Small enough to fit in a shirt pocket or purse
- Up to 1,200 hours of operation from 4 tiny mercury batteries
- One-touch percent, square root, clear and clear entry key
- Fully floating decimal point and an easy-on-the-eyes, low-power consuming liquid crystal display.



## MODEL EL-8026

### SLIM 8-DIGIT CALCULATOR POWERED BY BUILT-IN SOLAR CELLS

- Expose the EL-8026 solar batteries on the rear panel to the sunlight or other light source to recharge it.
- Never needs power cord, adaptor or charger
- Fully featured including one-touch percent and square root keys and two clear keys (one for the last entry only)
- Approximate results in excess of 8 digits
- High legibility 8-digit low-power consumption FEM type liquid crystal display
- Full floating decimal, overflow error, minus sign and battery indicators
- Handsome luster-tone metallic finish
- Complete with leather grained pocket carrying case.

# HAND-HELD



## MODEL EL-203

### 8-DIGIT POCKETABLE ELECTRONIC CALCULATOR WITH TOTAL MEMORY

- Automatic total memory for accumulating sums
- Convenient square root and percent keys
- Energy conserving liquid crystal display (FEM type)
- Constant multiplication and division, power, reciprocal, percent, add-on/discount and grand total calculations
- Overflow error check device, minus sign, memory and battery indicators
- Approximate results in excess of 8 digits
- Operates on a single battery.



## MODEL EL-8131

### 8-DIGIT ELECTRONIC CALCULATOR WITH MEMORY, SQUARE ROOT AND PERCENT

- 8-digit pocketable calculator with convenient 5-key memory
- One-touch square root and percent keys
- 2 clear keys (one for the last entry only)
- Constant, chain, power, reciprocal, square root, percent and add-on/discount calculations
- Approximate results in excess of 8 digits
- Easy-to-read bright, green fluorescent display
- Overflow error check device, minus sign and memory indicator
- Rechargeable Ni-Cd batteries and adaptor charger optional
- Comes complete with soft vinyl carrying case.



## MODEL EL-8127

### 8-DIGIT POCKETABLE SPECIAL PURPOSE "TIME" CALCULATOR WITH MEMORY

- 8-digit compact calculator with memory and bright green fluorescent display with zero suppression
- Constant, power, chain, square root, percentage and add-on/discount calculations
- Special functions include parenthesis, fractional calculation, remainder, time calculation, mean and standard deviation
- Convenient HOUR, MINUTE, SECOND keys for making time calculation
- Remainder (REM)/full floating (F)/fixed decimal (3-2-0) selector
- Round off in case of fixed decimal place (3-2-0)
- Overflow error check device
- Rechargeable Ni-Cd batteries and adaptor/charger optional
- Comes complete with soft vinyl carrying case.

# DESK-TOP PRINTER/DISPLAY



## MODEL EL-1057

### 10-DIGIT, COMPACT DESK-TOP CALCULATOR WITH TWO-COLOR PRINTER

- Compact design, takes up minimum desk space. Overall dimensions less than 6" wide, 9" long and 3 1/4" high
- High reliability SEIKO two-color (black and red) rolling compact type printer for high speed silent operation
- 10-digit capacity plus decimal, space and symbol
- Uses standard, readily available plain paper adding machine rolls
- Easy-to-operate keyboard layout. Human engineered to reduce operator fatigue
- Percent key
- Non-add/sub-total key. Convenient for printing dates, codes, etc.
- Decimal selector for add mode, constant and floating decimals (0,2,3)
- Complete underflow system to protect the most significant numbers
- Overflow error check device
- Automatic printer motor shutdown
- Paper advance key
- Extra long AC cord
- Constant multiplication and division, repeat addition and subtraction, add-on/discount, power and percentage calculations.



## MODEL EL-1108

### 10-DIGIT DESK-TOP DISPLAY CALCULATOR WITH MEMORY

- A full 10-digit model that is ideal for office and personal use
- Complete with 4-key independently addressable memory, item counter, constant/non-constant mode switch, floating decimal point and add mode
- Two clear keys (one for the last entry only)
- Bright fluorescent display with zero suppression and 3-digit punctuation
- Easy-to-operate, easy-to-read. The ideal desk-top calculator for the efficiency-conscious businessman.



## MODEL EL-1106S

### 10-DIGIT PORTABLE DESK-TOP CALCULATOR WITH MEMORY AND AC/RECHARGEABLE POWER

- Small enough to be carried anywhere, big enough to be placed with pride on any desk
- A deluxe 10-digit model with AC power through a built-in adaptor/charger and battery operation from built-in Ni-Cd rechargeable batteries
- Convenient calculating time savers include an item counter, a mark-up key, percent and square root keys, 2 clear keys and an independently addressable memory
- You also get a floating/fixed (0,2,4) decimal point with add mode
- This highly versatile model covers a broad range of calculating needs
- Comes complete with soft vinyl carrying case.

NOTE: Batteries are included with the purchase of all Sharp hand-held calculators.



## MODEL EL-1056

### 10-DIGIT PRINTING CALCULATOR WITH GRAND TOTAL KEY

- Clear, easy-to-read 10-digit printer (10 numerals, 1 decimal point, 1 symbol and 1 space) • Negative in red • Complete total function with grand total key for one-touch accumulating individual calculation results and recalling their grand total • The input buffer system will keep up with the fastest operators • Other convenient features: constant/add mode selector switch, non-add/sub-total key • Uses standard adding machine rolls • Special roller type printer for high speed silent operation. The EL-1056 calculator has been designed for those who insist on the maximum practicality and reliability.

NOTE: Batteries are included with the purchase of all Sharp hand-held calculators.



## MODEL EL-1163

### 10-DIGIT HAND-HELD PRINTING CALCULATOR WITH DISPLAY AND MEMORY

- For standard pocket calculator users who have always wanted their calculations printed, too • This hand-held unit delivers answers two ways: printed and on a full 10-digit fluorescent display (with a paper saving Print/Non-print mode selector) • Convenient **P** key for printing calculation results even in the non-print mode • Power is from AC or rechargeable Ni-Cd batteries included for "anywhere" use • Extra features include a simplified memory with Sigma ( $\Sigma$ ) switch, constant switch and one-touch percent key • Complete with soft vinyl carrying case.