

## Guide to Symbols



### Slide Show

Use slide shows to help demonstrate lessons.



### Multi-Line Playback

Recalls any of the last 142 steps.



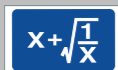
### Numerical Derivative

Allows you to easily find the answer to derivative calculations.



### 3-Digit Punctuation

For easier reading of long, multidigit numbers, ',' or '.' is inserted for each group of three digits.



### Equation Editor

Displays equations as they are written.



### Battery

Requires batteries.



### Upper: 12-Digit Lower: 10+2-Digit

Two line display: upper line displays equation as a maximum of 12 characters at any time. Lower line displays answer as 10 digits plus 2 digit exponent.



### Hard Case

Durable hard case protects calculator from damage.



### Constant Calculation

Eliminates the need to re-enter the constant when doing repeated calculations.



### Numerical Integral

Allows you to easily find the answer to integral calculations.



### 2-Key Roll-Over

Enables quick input of a keystroke, even if you still have a finger on the previous key.



### Twin Power

Batteries provide back-up to solar power when light source is interrupted.



### Matrix Function

One or more matrices can be saved. Matrix calculations can be carried out.



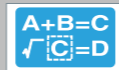
### Change

Change key to switch between decimal/fraction or mixed fraction display.



### 2-Line Display

Allows users to check the equation and answer at the same time.



### Chain Calculation

Allows the previous answer to be used in the next calculation.



### Formula Memory

Formulas or equations can be stored to simplify calculations.



### Reversible Keyboard

Keys for basic functions are on one side, while keys for advanced functions are on the other.



### Direct Algebraic Logic

Features easy-keying for algebraic logic.



### Lists

Enables a series of values to be treated as a single value (a list) in calculations or equations.



### User Assigned Key

Four keys, each of which can perform as a sequence of key strokes as chosen by the user. Reassignable as required.

## Sharp Educational Calculators.



Taking students from early days and on to degrees.

**SHARP**  
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**SHARP**

From the first steps along the learning pathway, all the way on to further and higher education, Sharp has a calculator that provides exactly the right answer.

Calculators that can handle complex problems, yet are userfriendly.

Sharp gave the world its first electronic desktop calculator as early as 1964 and has long been the leader in calculators for educational purposes – continuously introducing superior engineering, advanced functions and ingenious technologies.

Sharp Educational Calculators. Innovation after innovation, for generation after generation of students.



### EL – 9900

- 827 functions
- Reversible keyboard: basic and advanced mathematics
- Advanced graphics capability
- Screen capture to build slide show
- Maths problem solver function/complex numbers/ list and matrix functions



**LAUNCHING  
APRIL 2007**

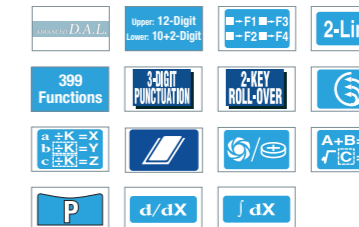
### EL – 530VB

- 116 functions
- Advanced Direct Algebraic Logic (DAL)
- Random number generator
- Step by step simplification of fractions
- Variable statistics



### EL – 520WB

- 399 functions
- Constant/chain calculation
- Advanced Direct Algebraic Logic (DAL)
- Solver function
- Recall and edit previous equations – multi-line playback



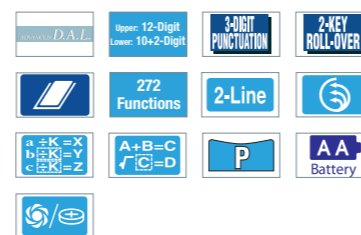
**LAUNCHING  
MAY 2007**

### EL – S50

- Drill and practise feature
- Selectable 25, 50 or 100 questions
- Correct answer support
- Mode selection (calculator or maths exercises)
- Suitable for Key Stage 1

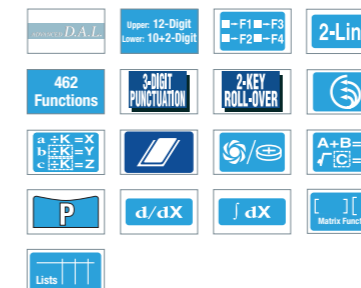
### EL – 531WB/WBBL/WGBBK

- 272 functions
- Constant/chain calculation and last answer recall
- Advanced Direct Algebraic Logic (DAL)
- Recall and edit previous equations with multi-line playback
- Two-variable statistics plus regression equations
- Suitable for Key Stage 4



### EL – 506WB

- 462 functions
- Constant/chain calculation and last answer recall
- Advanced Direct Algebraic Logic (DAL)
- Solver function/complex numbers/ list and matrix functions
- Recall and edit previous equations – multi-line playback



### EL – W531/EL – W531G

- 297 functions
- Display shows standard textbook notation
- Constant/chain calculation and last answer recall
- Multi-line playback
- Random functions
- 96 x 32 pixel display
- 4 unique user assigned keys
- Change key for easy switch between fractions/decimal/irrational form
- Easily displays calculations and answers using irrational form eg  $\sqrt{2}$ ,  $\pi$



## WriteView Features

1 Sharp's range of WriteView calculators uses the new 96 x 32 pixel display. Equations, fractions, square roots, indices and a host of other mathematical calculations can now be written on the display and the answers viewed, just as you would write them or view them in a textbook.

2 Most scientific calculators have keys with more than one function assigned to them. Extra functions are selected by first pressing a second function/shift key. Sometimes three key strokes are required to select a function. Sharp WriteView calculators have four. The unique user defined keys can be programmed with the necessary key strokes to select a function.

3 Sharp have also developed software to complement the WriteView calculator. The software runs from the PC and all the functions of the calculator can be accessed via a fully functioning calculator displayed on the PC screen. This display can also be projected through an interactive whiteboard so that the image becomes a touch key calculator for whole class to view. In addition the software can capture a sequence of images for use in handouts, homework exercises or PowerPoint presentations.

