Unisonic 1548

OPERATING INSTRUCTIONS

UPENALING INSTRUCTI	UNS
	9
1. SPECIAL FEATURES	
1.01 Compact and Stylish — This calculator has been designed	for compactness and modern styling.
i.02 Nine Functions — In addition to the normal $+-x\div$ cal ncluding mark-up and mark-down, square, square root, in	culations this calculator can make percentage % calculation
I.03 One Accumulating Memory — Register can be transferred	
I.04 Automatic Constant — Constant calculation in mult automatically.	iplication and division can be performed simply a
I.05 Repeat Addition and Subtraction — The result is calcula key in addition or subtraction instead of repeatedly pre	
1.06 Change sign $+/ X-M$ and $X-Y$ exchange. The can exchange the display and register, and the $X-M$ k	
I.07 Suppressed Zeros – For clear and accurate reading, non-si	ignificant zeros preceding whole numbers are not displayed
I.08 Floating Decimal Point — Makes calculations easy and clear	
1.09 True Credit Balance — Negative numbers are shown with	
I.10 $_{ m Mixed}$ and Chain Calculations $-$ This calculator is capal	ole of doing many kinds of mixed and chain calculation
I.11 Parenthesis Operations — This calculator is capable of ca disturbing calculations already made or to be performed.	clculations to be performed within the parenthesis withou
.12 Algebraic Mode — The calculator operates algebraically. T o that calculations can be performed as they would norma	This is, its operation is identical to conventional arithme ally be written down.
2. CONTROLS & INDICATORS	
'ON" Switch:	M- Key:
Furns Calculator "on" and "off"	Press to subtract display from memory.
C/CE Key:	RM Key:
Press once, clears only previous entry. Press twice,	Press to recall memory.
elears all.	
0 to 9 Key:	CM Key:
Press for number entry.	Press to cancel memory.
• Key:	(Key:
Press for entering decimal.	Press to begin parenthesis.
% Key:	Ney:
ress for percentage calculations.	Press to end parenthesis.
+ Key:	1/x Key:
Proce for additions	

Key:	√x Key:
Press for subtraction.	Press to obtain square root of number entered.
x Key:	x ² Key:
Press for multiplication.	Press to obtain square of number entered.
÷ Key:	+/- Key:
Press for division.	Press to change sign.
= Key:	X-Y Key:
Press to perform the preceding operation and terminates it.	Press to exchange register and display.
M+ Key:	X-M Key:
Press to enter display into memory.	Press to exchange register and memory.
3. DISPLAY PANEL	
0.0.0.0.0.0.0.0. Overflow Indicator: All zeros and contains more than 8 digits.	decimal points lighted indicate a calculation result that
· "Memory-On" and Parenthesis India	cator: Indicates memory is activated or parenthesis has
4. POWER SUPPLY	
4.01	t dry batteries are used. Use Alkaline batteries for longer
woltage in your country (such as 110V, 220V or 240V) AC adaptor plug fits well into the external DC jack of the inegative in polarity. With AC adaptor plugged in, switch to "Ch", (charge). Tunder charge are NICAD rechargeable batteries! Don't cmay occur!	tat the input voltage of the AC adaptor is same as AC line and the output voltage is 3V, also make certain that the calculator. The centre pin of the AC adaptor plug should be fine batteries are now being charged. Be sure that batteries charge Alkaline or ordinary chemical batteries! Explosion erate the calculator at the same time. Attention! Remove is used!
5. BATTERY NOTES	
5.01 With normal use at room temperature, fresh batteries working time.	can be expected to supply many hours of eccumulated
5.02 For optimum performance and long life, alternate between	battery and AC mains current.
5.03 Replace old batteries with fresh ones when the display is	dim.
5.04 Do not leave batteries inside the calculator if it is not to be possibly damaging the calculator.	e used for a long time. Otherwise, the batteries may corrode,
Turn off power switch when calculator is not in use.	Annual published and a second of the second
	RIES AND CALCULATIONS REPLACE IMMEDIATELY D BY CORRODED BATTERIES DO NOT COME UNDER

6. CALCULATION EXAMPLE

In following examples when C/CE is stated, it means press C/CE buttons twice to clear all. When C/CE is stated, it means press once to clear entry only.

CALCULATION	KEYBOARD ENTRY	DISPLAY RESULT
Clear Entry 2 x 3 x 4	C/CE 2 2 x 6 (Wrong1) C/CE 3 x 4 =	24
Addition 12 + 3 + 4.56	C/CE ² 12 + 3 + 4.56 =	19.56
Subtraction 12 - 2.5 - 1.47	C/CE ² 12 - 2.5 - 1.47 =	8.03
Addition and Subtraction 12.5 - 55 - 17.1 + 3.55	C/CE 2 12.5 _ 55 _ 17.1 + 3.55 =	-56.05
Multiplication 12.3 x 45.67 -2 x 3	C/CE) ² 12.3 x 45.67 = C/CE) ² 2 +/- x 3 =	561.741 -6
Division 100 ÷ 5.5 100 ÷ (-5.5)	C/CE ² 100 ÷ 5.5 = C/CE ² 100 ÷ 5.5 +/- =	18.181818 -18.181818
Multiplication and Division 3 x 2 ÷ 4 x 2 ÷ 5	C/CE ² 8 x 2 ÷ 4 x 2 ÷ 5 =	1.6
Mixed Calculation 3 + 2 - 1) x 4 ÷ 8	C/CE ² 3 + 2 - 1 x 4 ÷ 8 =	2
Constant Multiplication 12.3 × 45.6 98.7 × 45.6	C/CE ² 12.3 × 45.6 = 98.7 =	560.88 4500.72
Constant Division 12.3 ÷ 45.6 98.7 ÷ 45.6	C/CE 2 12.3 ÷ 45.6 ■ 98.7 ■	0.2697368 2.1644736
Repeat Addition and Subtraction 1.23 + 98.7 + 98.7 987 - 12.3 - 12.3	C/CE) ² 1.23 + 98.7 + = C/CE) ² 987 - 12.3 - =	198.53
Exponent Calculation 3.21 ²	C/CE) ² 3.21 x = C/CE) ² 2 x = = =	10.3041 16
Reciprocal Calculations 1 4 1 2 4	C/CE 2 4 1/x	0.25
2 ¹ / ₄	C/CE 2 x2 x2 1/x	0.0625
(4 + 3) × 2	C/CE 2 4 + 3 x 2 = 1/x	0.0714285
Percentage Calculations 100 x 5% 100 ÷ 5% 100 + (200 x 5%) 100 - (200 x 5%)	C/CE ² 200 x 5 % C/CE ² 200 ÷ 5 % C/CE ² 200 + 6 % • C/CE ² 200 - 5 % •	10 4000 210 190
Constant Percentage		100

200 × 95% 300 × 95%	200 %	190	
Automatic Accumulating Memory (2 x 4) + (3 x 5) - (6 ÷ 2)	CM C/CE ² 2 × 4 = M+ 3 × 5 = M+ 6 ÷ 2 = M- RM CM C/CE ² 3 + 4 + 5 = M+ 1 + 2 + 3 ÷ RM =	20 0.5	
Mixed and Chain Calculation $\frac{(2+3)\times 4-5}{3}-2$ $\frac{(2.3-13)^2\times 78}{3.29\times 36}-4.24$	CM C/CE ² 2 + 3 x 4 - 5 ÷ 3 - 2 = CM C/CE ² 2.3 - 13 = x ² x 78 ÷ 3.29 ÷ 36 - 4.24 =	3 71.15868	
Square & Square Root		J. d. sees	
$\sqrt{3^2 + 9^2}$	CM C/CE 2 3 x^2 M+ 9 x^2 M+ RM \sqrt{x}	9.4868329	

C/CE 1 100 x 95 %

7. PARENTHESIS OPERATIONS

100 x 95%

It is important to note that once the parenthesis button is depressed, any previous register in the memory will automatically be cancelled. This is so because once the parenthesis operation is performed, the display is automatically put into the memory and any previous entry into the memory must therefore be cancelled otherwise results will be wrong. However memory keys can be used with parenthesis keys to obtain quick solutions as shown below.

CALCULATION	KEYBOARD ENTRY	DISPLAY RESULT
Parenthesis Operations	•1	
$\frac{2}{3} + \frac{3}{4} + \frac{5}{6}$	C/CE ² 2 ÷ 3 + (3 ÷ 4)+	
4	[5 3 6] =	2.2499999
$\sqrt{1-4^2}$	$C/CE^2 4 \div (1 - RM \times 2 = \sqrt{x})$	
(2 + 3) × (3 + 4)	C/CE ² 2 + 3 × (3 + 4)=	-1.0327955
(2 + 3) × (3 + 4)	C/CE 2 + 3 × (13 + 4) =	35

*NOTE 1: Note that the first fraction does not require parenthesis. But the second fraction added require parenthesis otherwise the calculator will see the entry as

$$\frac{2}{3} + 3$$

$$\frac{2}{3} + 5$$
 if enter as 2 \div 3 $+$ 3 \div 4 $+$ 5 \div 6 $=$

CALCULATION	KEYBOARD ENTRY	DISPLAY RESULT
Exchange Operations 5 4 + 3	C/CE 2 4 + 3 ÷ 5 X-Y=	0.7142857
Memory Exchange $\frac{5-2}{5+2}$	C/CE 2 5 M+ - 2 M+ ÷ X-M =	0.4285714