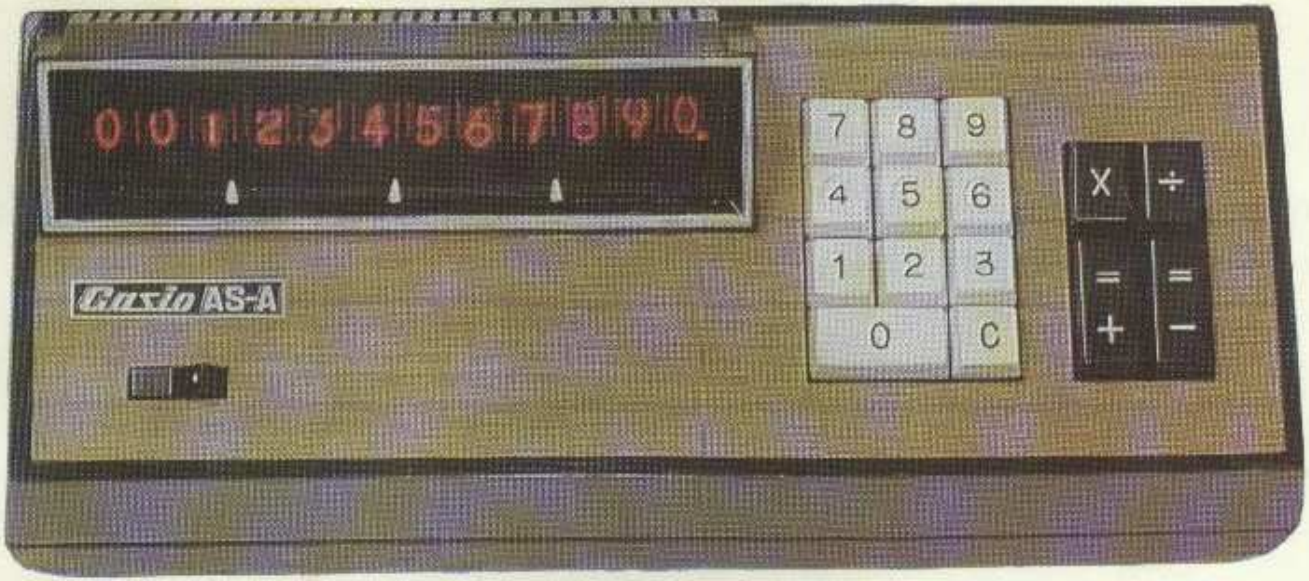
CASIO AS-A



Scan : Oliver SCHUBERT
Translation from german : http://casio.ledudu .com
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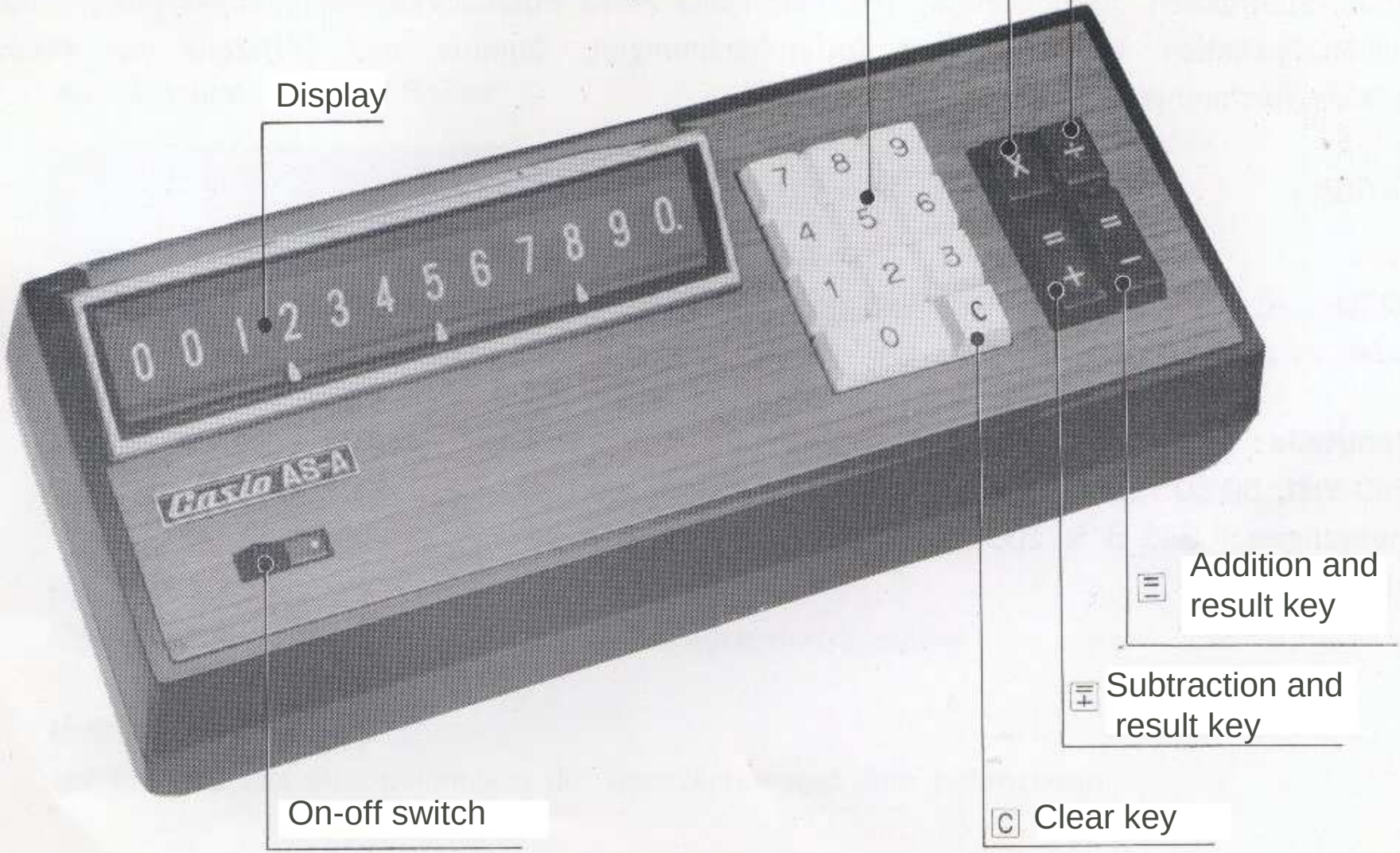
USER'S GUIDE

Foreword

We are pleased to welcome you as the owner of an electronic CASIO calculator AS-A.
Please take a few minutes to read this user's guide that was written to explain easily the functions of this calculator.
For more detailed information, please ask the dealer at any time.

CONTENTS

1. Overview of the CASIO AS-A



2. Specifications

Calculations

Addition, Subtraction, Multiplication, Division, Square, Calculations with constants, chain multiplications and divisions, chain calculations, sums and differences of products, mixed calculations.

Capacity

Inputs	12 digits	Addition/subtraction	12 digits
Products	12 digits	Quotients	12 digits
Memory	12 digits		

Components : MOS-IC, MSI and LSI
90-240 Volts, 50/60 Hz, Consumption 6 Watts

Dimensions : 330 W X 100 H X 130 T mm

Weight : 1.7 kg

3. The keyboard of the calculator

3.1 On-off switch

Switch on to the right, switch off to the left

3.2 Display and decimal tab

Shows each input or result, as well as the memory retrieval. The decimal point permits easy reading for great numbers and shows how to fix the decimal device.

3.3 Ten key figures [0]–[9]

For blind users in accordance with international standards

3.4 Clear key [C]

Erase the display and the calculator, as well as the memory

3.5 Multiplication Key [X]

For the input of the multiplicand, the constants, and for potentiating

3.6 Division Key 

For the input of the divisor and retrieval of memory

3.7 Subtraction key 

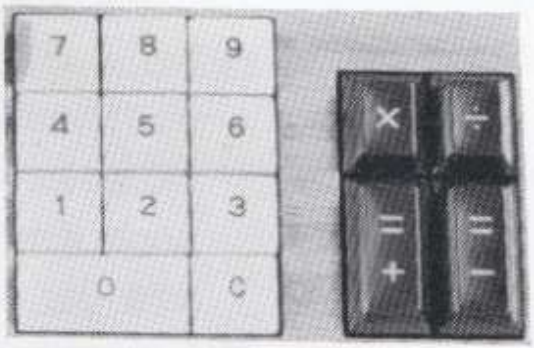
For subtraction and negative transfer to memory

3.8 Addition key 

For addition and positive transfer to memory

4. AS-A functions

4.1 Input



The numeric keypad corresponds to the international standard. Press the numbers given in the examples and the figures will appear in the display. If you have values with decimal figures, make the decimal tab at the right place and enter the numbers accordingly.

Example : 12.354

Execution : Set the decimal tab on the 3rd place from right.

Enter : 1 2 3 5 4

▲

The decimal tab

- Add by typing [+]
- Subtract from input with [−]
- Clear after completion of addition / subtraction with [C] before you begin your next calculation.
- If the subtracted number is greater than the value in the calculator, the display is the complementary, it can nevertheless continue to calculate. If the complementary value is displayed, just press the [−] button again and the negative value appears positive.
- Total capacity : 12 digits.

4.2 Addition and substraction

Example #1 123+456=579 [C] 123 [+] 456 [+] 579

Example #2 369−147=222 [C] 369 [+] 147 [−] 222

Example #3 Set the decimal tab on the 3rd place from right

1.24−40.879=−39.639 [C] 1240 [+] 40879 [−] 99999960361

[−] 39.639

The decimal tab

- You can get the product of a simple multiplication by pressing the multiplicant with [X] key and the multiplier with [=] key.
- You can get the product of a chain multiplication by Entering [X] then [X] then [=]
- Get the square by entering [X] [=]
- Total capacity multiplicant and multiplier : 12 digits.

4.3 Multiplication

Example #1	$159 \times 258 = 41022$	159 [X] 258 [=] 41022
Example #2	$23 \times 45 \times 62 = 64170$	23 [X] 45 [X] 62 [=] 64170
Example #3	$(123)^2 = 15129$	[C] 123 [X] [=] 15129
Example #4	$5.67 \times 2.316 = 13.13172$	

Set the decimal tab on the 3rd place from right

567 [X] 2316 [=] 1313172

▲

The decimal tab

- You can get the quotion of a simple division by pressing the dividend with ÷ key and the divisor with =/± key.
- For a chain division : input ÷ input =/± ÷ input =/± etc.
- The decimal point is displayed at the right place automatically
- The quotient is always 12 digits with the decimal point at the right place, if the divisor is greater than the dividend, the point moves location 12.

4.4 Division

Example #1	963÷741=1.29959514170	936 ÷ 741 =/± 1.29959514170
Example #2	12÷456=0.0263157894736	12 ÷ 456 =/± 26315789473.6

◇ The decimal point must be in this case by 12 places to the left.

- The AS-A is provided with an automatic constant function.
- Press the button [X] twice and the number is a constant multiplier
- Before you begin a constant calculation, please clear the calculator by pressing [C] button
- Total capacity for multiplication with constant : 12 digits.

4.4 Multiplication with constant, exponents

Example #1

$987 \times 25 = 24675$	[C] 25 [X][X] 987 [=]	24675
$654 \times 25 = 16350$	654 [=]	16350
$321 \times 25 = 8025$	321 [=]	8025

Example #2

$(123)^2 = 15129$	[C] 123 [X][X] [=]	15129
$(123)^3 = 1860867$	[=]	1860867
$(123)^4 = 228886641$	[=]	228886641

5. Calculation with memory

The AS-A is provided with a real memory. The sum of addition and subtraction is stored by pressing again the M+ key. The display will then be cleared and the last value transferred to memory.
The sum of products is automatically saved. If you want the difference of products, please use M- or M+ for transfer to memory.
The value of the memory can be called by double pressure of ÷ . Then, it appears in the display.
To clear the memory press the C button, the calculator is also cleared at the same time.

- Before you begin a statement with storage, please use [C] key to clear calculator and storage area.
- Total capacity of the memory : 12 characters

5.1 Calculation with accumulation

Example #1

123+456=579	[C] 123 [=+] 456 [=+] 579
+) 789−654=135	[=+] 0
714	789 [=+] 654 [=−] 135
	[=+] 0
	[÷][÷] 714

Example #2

159×25=3975	[C] 25 [X][X] 159 [=+] 3975
+) 18×25= 450	18 [=+] 450
+) 9×25= 225	9 [=+] 225
4650	[÷][÷] 4650

Example #3

```
34×67×9=20502
56×12×5= 3360
87×34×6=17748
-------------
        41610
```

```
C 34 X 67 X 9 =  ..... 20502
   56 X 12 X 5 =  ..... 3360
   87 X 34 X 6 =  ..... 17748
          ÷ ÷  ..... 41610
```

Example #4

```
   147× 19= 2793
+) 258×147=37926
−)  38×126= 4788
-------------
        35931
```

```
C 147 X  19 =  ..... 2793
   258 X 147 =  ..... 37926
    38 X 126 =  ..... 4788
          ÷ ÷  ..... 35931
```

Example #5

$$\frac{(15+18)\times 168}{258}=21.4883720930$$

C 15 ± 18 ±×
168 ÷ 258 ± 21.4883720930

Example #6

$$\frac{(456-123)+(987\times 456)-(3\times 15\times 147)}{258}=1720.11627906$$

C 456 ± 123 =±
987 × 456 ±
3 × 15 × 147 =÷÷
÷ 258 ± 1720.11627906

6. How to take care of the CASIO AS-A

Do	use the calculator on a smooth surface. use the calculator as a separate outlet.
Don’t	use the computer in extremely humid area. pour liquid into the computer, short-circuiting. use below 0 °and above 40 °degrees Celsius make excessively long exposure to direct sunlight. leave the dust shell cover on the computer when device is switched. use the ventilation slots as storage. clean the computer with clean kerosene, use the enclosed silicone cloth.

The guarantee on all Casio products does not occur if the above points are not observed.

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