

ROCKWELL CUSTOMER SERVICE CENTERS

UNITED STATES

6001 Threadgill Avenue
El Paso, Texas 79924

CANADA

90 Thornccliffe Park Drive
Toronto, Ontario,
Canada M48-1M5

BRITISH ISLES

Sumlock Anita, Ltd., a subsidiary of Rockwell has Service Centers located throughout the British Isles. Send your calculator, postage prepaid, together with your address and proof of purchase date, to: Sumlock Anita, Ltd., Unit 3, Chailey Industrial Estate, Pump Lane, Hayes, Middle sex or consult your local telephone directory for your nearest Sumlock Anita, Ltd., Service Center.

FRANCE

Rockwell International S.A.,
12 Place De La Seine,
Silic 196,
94563 Rungis-Cedex,
France

DEUTSCHLAND

Rockwell International GmbH.,
6374 Steinbach/Taunus,
Industriestrasse 8,
Deutschland

OTHER COUNTRIES

Contact your dealer or distributor.

En otros paises

Ponerse en contacto con el distribuidor.



ELECTRONIC CALCULATORS
ELEKTRONIK-RECHNER
CALCULATRICES ELECTRONIQUES
CALCULADORAS ELECTRONICAS



OWNER'S MANUAL
BEDIENUNGSANLEITUNG
MODE D'EMPLOI
MANUAL PARA EL COMPADOR

22MS

BATTERY INFORMATION

The Rockwell 22K calculator operates on either three AAA size dry cell non-rechargeable batteries or AC power using the optional Rockwell AC adapter, Model 111R. The AC adapter is available from your dealer.

CAUTION: Use the Rockwell AC adapter Model 111R only. Use of any other adapter may damage your calculator.

When installing the batteries, observe the polarity shown inside the battery compartment.

CALCULATOR LOGIC

Your Rockwell calculator performs arithmetic calculations with algebraic logic. This means your calculator solves problems the same way you write them on paper. In addition to the four arithmetic functions, your calculator has several valuable features that increase its versatility. Sample problems have been included which exemplify how each feature can be used to solve everyday mathematical problems. We suggest you carefully read this manual and work through each sample problem with your calculator so that you may obtain full use of its many features.

DISPLAY

Your calculator will accept and display any positive or negative number between 0.0000001 and 99,999,999. A negative number is indicated by a minus sign which will appear at the left side of the display. A number in memory other than

zero is indicated by a dot which also appears at the left side of the display.

OVERFLOW CONDITIONS

The following conditions or operations will result in an overflow. All decimal points will light in the display and all keys except the **CE/C** key will become inoperative.

1. Any positive or negative result exceeding 99,999,999.
2. Any positive or negative memory accumulation exceeding 99,999,999.
3. Division by zero.

CLEAR OPERATIONS

Your calculator has a dual function clear key **CE/C** and a memory clear key **MC** which operate in the following ways:

1. To correct an overflow caused by exceeding the display capacity, depress the clear key once. The eight most significant digits of the result which caused the overflow are correct and will remain on the display. To obtain the actual magnitude of this result, mentally move the decimal point eight places to the right of its position on the display. If this overflow occurred during a constant calculation, the constant will be retained.
2. To correct an overflow caused by exceeding the memory capacity, depress the clear key once. The number that was to be placed in memory will remain on the display. The number contained in the memory prior to the overflow operation will remain unaltered.

3. To clear a wrong number entry depress the clear key once immediately after entering the wrong number. The correct number can now be entered and the calculation continued.
4. To clear the calculator except the memory depress the clear key twice.
5. To clear the memory depress the memory clear key.

WISSENSWERTES ÜBER DIE BATTERIEN

Der Rockwell Rechner 22K arbeitet entweder auf drei nichtaufladbare AAA Trockenzellenbatterien oder auf Wechselstrom unter Benutzung des wahlfreien Rockwell Wechselstrom-Adapters, Modell 111R. Den Wechselstrom-Adapter erhalten Sie bei Ihrem Händler.

ACHTUNG! Verwenden Sie ausschließlich den Rockwell Wechselstrom-Adapter, Modell 111R. Durch Benutzung irgendeines anderen Adapters könnte Ihr Rechner beschädigt werden.

Beim Einsetzen der Batterien die im Innern des Batteriefachs bezeichnete Polarität beachten!

RECHNER-LOGIK

Ihr Rockwell Rechner führt arithmetische Kalkulationen mit algebraischer Logik durch. Das bedeutet, daß Ihr Rechner Aufgaben genauso löst, wie Sie sie auf Papier niederschreiben würden. Neben den vier arithmetischen Funktionen hat Ihr Rechner mehrere wertvolle Einrichtungen, die seine Vielseitigkeit noch vergrößern. Nachfolgend finden Sie Rechenbeispiele, die veranschaulichen, wie jede Einrichtung zur Lösung alltäglicher Rechenaufgaben benutzt werden kann. Wir empfehlen Ihnen, sich diese Bedienungsanleitung genau durchzulesen und jedes Rechenbeispiel mit Ihrem Rechner durchzuarbeiten, damit Sie seine vielen Einrichtungen auch voll ausnutzen können.

EXAMPLE CALCULATIONS
RECHENBEISPIELE
EXEMPLES DE CALCULS
EJEMPLOS DE CALCULOS

1. Addition

1. Addition

1. Addition

1. *Adición*

$$4.5 + 5.5 = 10$$

$$4 \quad \boxed{+} \quad 5 \quad \boxed{+} \quad 5 \quad \boxed{=} \quad \boxed{}$$

10.0

2. Subtraction

2. Subtraktion

2. Soustraction

2. *Sustracción*

$$12 - 3 = 9$$

$$12 \quad \boxed{-} \quad 3 \quad \boxed{=} \quad \boxed{}$$

9.

3. Multiplication

3. Multiplikation

3. Multiplication

3. *Multiplicación*

$$15 \times 4 = 60$$

$$15 \quad \boxed{\times} \quad 4 \quad \boxed{=} \quad \boxed{}$$

60.

4. Division

4. Division

4. Division

4. *División*

$$64 \div 4 = 16$$

$$64 \quad \boxed{\div} \quad 4 \quad \boxed{=} \quad \boxed{}$$

16.

5. Percentage

5. Prozentsatz

5. Pourcentage

5. *Porcentaje*

$$50 \times 20\% = 10$$

$$50 \quad \boxed{\times} \quad 20 \quad \boxed{\%} \quad \boxed{=} \quad \boxed{}$$

10.

$$15 \div 25 = 60\%$$

$$15 \quad \boxed{\div} \quad 25 \quad \boxed{\%} \quad \boxed{=} \quad \boxed{}$$

60.

6. Add-on

6. Preisauflschläge

6. T.V.A.

6. *Sumar on*

$$\$10.25 + (\$10.25 \times 8\%) = \$11.07$$

$$10 \quad \boxed{+} \quad 25 \quad \boxed{\times} \quad 8 \quad \boxed{\%} \quad \boxed{=} \quad \boxed{}$$

11.07

7. Discount

7. Preisabschläge

7. Remise

7. *Descuento*

$$\$11.55 - (\$11.55 \times 20\%) = \$9.24$$

$$11 \quad \boxed{-} \quad 55 \quad \boxed{\times} \quad 20 \quad \boxed{\%} \quad \boxed{=} \quad \boxed{}$$

9.24

8. Mixed and chain operations
 8. Gemischte- und kettenrechnungen
 8. Operations mixtes et en chaine
 8. Operaciones mixtas y de cadena

$$\frac{(8 - 5) \times 4}{6} = 2$$

$$8 \text{ [-] } 5 \text{ [x] } 4 \text{ [÷] } 6 \text{ [=]}$$

2.

9. Repeat operations
 9. Wiederholungsoptionen
 9. Operations en repetition
 9. Operaciones repetidas

$$3+4+4+4+4+2 = 21$$

$$3 \text{ [+] } 4 \text{ [+] } 4 \text{ [+] } 4 \text{ [+] } 4 \text{ [+] } 2 \text{ [=]}$$

21.

$$5^4 = 625$$

$$5 \text{ [x] } 5 \text{ [x] } 5 \text{ [x] } 5 \text{ [=]}$$

625.

10. Constant operations
 10. Konstantenoperationen
 10. Operations A constantes
 10. Operaciones constantes

$$15 \times 3 = 45$$

$$21 \times 3 = 63$$

$$8 \times 3 = 24$$

$$12 \times 3 = 36$$

$$15 \text{ [x] } 3 \text{ [=]}$$

45.

$$21 \text{ [=]}$$

63.

$$8 \text{ [=]}$$

24.

$$12 \text{ [=]}$$

36.

11. Change sign
 11. Vorzeichenwechsel
 11. Changement De Signe
 11. Cambio De Signo

$$\frac{4 \times (-3)}{6} = -2$$

$$4 \text{ [x] } 3 \text{ [+/-] } 6 \text{ [=]}$$

- 2.

12. Square Root
 12. Quadratwurzel
 12. Racine Carrée
 12. Raiz Cuadrada

$$\sqrt{9 \times 4} = 6$$

$$9 \text{ [x] } 4 \text{ [=] } \sqrt{\quad}$$

6.

13. Calculation Using Memory
 13. Kalkulation unter Benutzung des Speichers
 13. Calculs Avec La Memoire
 13. Calculos Empleando Memoria

$$\frac{7}{8} + \frac{3}{32} - \frac{9}{16} = \frac{13}{32} = 0.40625$$

$$7 \text{ [÷] } 8 \text{ [=] } \text{ [M+] } 3 \text{ [÷] } 32 \text{ [=] } \text{ [M+]}$$

$$9 \text{ [÷] } 16 \text{ [=] } \text{ [M-] } \text{ [MR]}$$

. 0.40625





FULL ONE-YEAR WARRANTY

Rockwell International Corporation warrants this electronic calculator and accessories (excluding any non-rechargeable battery) against defects in materials and workmanship and operating malfunctions for a period of one year from the date of retail purchase. This warranty is for the benefit of the original retail purchaser and any subsequent transferee during the warranty period.

In case of a defect, malfunction, or other failure to conform to the above warranty, Rockwell will, at its option, repair or replace the calculator without charge within a reasonable time after its receipt by our service center. The time required for repairs will be added to the warranty period.

For service under this warranty, simply return the calculator prepaid within the warranty period to the nearest Rockwell Customer Service Center listed below. For returns within the united states include DLR 2.75 for postage and handling. You must also include a copy of the sales receipt or other proof of purchase date. Calculators returned without proof of purchase date will be serviced out-of-warranty at our prevailing service rates.

Exclusions and Limitations

This warranty does not extend to any damage or malfunction resulting from misuse, neglect

or accident. The remedies described above are the exclusive remedies under this warranty or any implied warranty, and IN NO EVENT SHALL ROCKWELL BE LIABLE FOR CONSEQUENTIAL DAMAGES.

Out-of-Warranty Service

If the calculator fails to operate satisfactorily beyond the one-year warranty period, Rockwell Customer Service Centers will repair and return the calculator to you at our prevailing service rates.



EIN VOLLES JAHR GARANTIE

Auf diesen elektronischen Rechner und Zubehör (ausschliesslich nichtaufladbarer Batterien) wird von der Rockwell International Corporation eine Garantie auf Freiheit von Materialfehlern und fehlerhafter Konstruktion und mangelhaftem Betrieb für die Dauer eines Jahres ab dem Tag des Ladenkaufs gewährt. Diese Garantie gilt für den ursprünglichen Käufer sowie für jeden nachträglichen Besitzer während des Garantiezeitraumes.

Im Falle eines Fehlers, fehlerhaften Betriebs oder sonstiger Nichterfüllung der obigen Garantie repariert oder ersetzt Rockwell nach ihrem Dafürhalten den Rechner kostenlos innerhalb eines angemessenen Zeitraumes nach dessen Empfang durch unser Service Center. Die für Reparaturen benötigte Zeit wird dem Garantiezeitraum hinzugerechnet.