

ROGER F-5 OPERATION MANUAL

SPECIFICATION

10) Square Calculation

$(4^2)^2 = 65536$	[C] 4 [F] [x] [F] [F] [F] [F] [F] 65536
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11) Square Root Calculation

$\sqrt{2 \times 3} = 2.4494897$	[C] 2 [x] 3 [F] [x] [F] 2.4494897
$\frac{1}{\sqrt{4+5}} = 0.3333333$	[C] 4 [F] 5 [F] [x] [F] [F] [F] 0.3333333

12) Pi (Circular Constant) Calculation

$2\pi \times 6 = 37.699111$	[C] 2 [x] [F] [x] 6 [F] 37.699111
$\pi \times 6^2 = 113.09733$	[C] [F] [x] 6 [F] [F] 113.09733

13) Clear Entry

$123 + 456 + 788 = 1367$	[C] 123 [F] 456 [F] 788 [CE] 788 [F] 1367
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14) Sleeping Display (CE/D)

After 25 - 30 seconds, all figures and/or signs in display are to be disappeared except with "a sign-bar" in the first digit for the purpose of battery less-consumption. To recall, please Just press the key (CE/D)

Digit capacity	: 8 digits
Display	: Digitron (green), Leading zero suppress method
Special key	: Percent, Square root, Pi (circular constant), Memory plus & minus, Memory recall & clear, 1/x, x Sign change, Sigma, Auto-constant, Sleeping display
Calculation	: Addition, Subtraction, Successive multiplication and division, Multiplication and division by auto-constant, Percent premium & discount, Exponents, Reciprocal number, Mixed & Counting calculation, Root & Pi calculation, Independent memory calculation without sigma, Automatic accumulated memory calculation with sigma, Square Calculation.
Operation	: Algebraic method
Overflow & minus	: 9th digit indicates both signs
Decimal point	: Complete floating decimal point
Power source	: DC-3V (UM-3x2) and AC adaptor (110/220/240V)
Power consumption	: 0.2watt
Operating temperature	: 0° - 40°C
Weight	: 120gs (net)
Size	: 78 (W) x 136 (L) x 15/23 (H)mm
Battery life	: Manganese: 10 hours (approx) Alkaline: 20 hours (approx)
Accessories	: 2-batteries, carrying case

1) +, -, × and ÷ Calculation

$123 + 456 - 789 = -210$	[C] 123 [1] 456 [2] 789 [3] - 210
$123 \times 456 \div 789 = 71.087452$	[C] 123 [×] 456 [÷] 789 [1] 71.087452

2) Premium and Discount Calculation

$543.21 + 12\% = 608.3952$	[C] 543.21 [×] 12 [%] 65.1852	65.1852
.....	[+]	608.3952
$543.21 - 12\% = 478.0248$	[C] 543.21 [×] 12 [%] 65.1852	65.1852
.....	[-]	478.0248

3) Memory Calculation without Σ

$78 \times 6 = 468(+)$	[f] [mc] [C]	78 [×] 6 [M+] 468
$45 \times 6 = 270(-)$		45 [×] 6 [M-] 270
$12 \div 6 = 2(+)$		12 [÷] 6 [M+] 2
200		[f] [mr] 200
$78 + 45 = 123(+)$	[f] [mc] [C]	78 [1] 45 [M+] 123
$78 - 45 = 33(-)$		78 [1] 45 [M-] 33
$78 - 12 = 66(+)$		78 [1] 12 [M+] 66
156		[f] [mr] 156
$96 + 3 = 99(+)$	[f] [mc] [C]	96 [1] 3 [M+] 99
$96 - 3 = 93(-)$		96 [1] 3 [M-] 93
$45 \times 3 = 135(+)$		45 [×] 3 [M+] 135
$45 \div 3 = 15(-)$		45 [÷] 3 [M-] 15
126		[f] [mr] 126

4) Accumulated Memory Calculation with Σ

$10 + 20 = 30$	[f] [mc] [C]	10 [1] 20 [Σ] 30
$30 - 40 = -10$		30 [1] 40 [Σ] -10
$50 \times 6 = 300$		50 [×] 6 [Σ] 300
$70 \div 7 = 10$		70 [÷] 7 [Σ] 10
330		[f] [mr] 330

5) Mixed Calculation

$23 \times (-4) \div 6 = -15.333333$	[C] 23 [×] 4 [1] [÷] 6 [Σ] -15.333333
$(9 + 6 - 5) \times 8 \div 20 + 8 = 12$	[C] 9 [1] 6 [1] 5 [Σ] 8 [÷] 20 [1] 8 [Σ] 12

6) Reciprocal Number Calculation

$\frac{123}{789 + 456} = 0.0987951$	[C] 789 [1] 456 [Σ] 123 [1] [1/x]	0.0987951
$\frac{123}{789 \times 456} = 0.0003418$	[C] 789 [×] 456 [Σ] 123 [1] [1/x]	0.0003418

7) Multiplication and Division by Auto Constant

$0.37 \times 3 = 1.11$	[C] 0.37 [×] 3 [1] 1.11
$0.37 \times 6 = 2.22$ 6 [1] 2.22
$0.37 \times 9 = 3.33$ 9 [1] 3.33
$1125 \div 0.75 = 1500$	[C] 1125 [÷] 0.75 [1] 1500
$1500 \div 0.75 = 2000$	1500 [1] 2000
$2625 \div 0.75 = 3500$	2625 [1] 3500

8) Counting Calculation

$0 + 1 = 1$	[C] 0 [1] 1 [Σ] 1
$1 + 1 = 2$ [Σ] 2
$2 + 1 = 3$ [Σ] 3
$500 - 5 = 495$	[C] 500 [5] [Σ] 495
$495 - 5 = 490$ [Σ] 490
$490 - 5 = 485$ [Σ] 485

9) Exponents Calculation

$5^5 = 3125$	[C] 5 [×] [Σ] [Σ] [Σ] [Σ] 3125
$6 \div (3)^3 = 0.2222222$	[C] 6 [÷] 3 [Σ] [Σ] [Σ] 0.2222222