



OPERATION MANUAL

MODEL 6500

12-DIGIT EXECUTIVE DESKTOP LOAN CALCULATOR

1. KEY OPERATIONS:

- [ON/C]** : Power on, reset errors and resume calculation. Press once to clear the display. Press twice to clear temporary memory values, except "M", "tax rate" and "P/Y" memory. The icon "mthly" will flash when [P/Y] = 12.
- [SHIFT][OFF]** : Power off. Clears all except "tax rate". "P/Y" resets to 12.
- [CE]** : Clear Entry
- [SHIFT][CLEAR ALL]** : clears and resets calculator to its default values, except "tax rate" memory. "P/Y" resets to 12 and "mthly" will flash.
- [√]** : Square root
- [+/-]** : Sign change key (Changes the sign of the displayed value from positive to negative or vice versa.)
- [→]** : Right shift key (Shifts the displayed value to the right deleting the right most digit.)
- [M+]** : Memory plus (Adds the displayed value to the independent memory.)
- [M-]** : Memory minus (Subtracts the displayed value from the independent memory.)
- [MRC]** : Recall memory / Memory Clear
- [00]** : Fast addition of "0" (Displays two "0" when pressed once.)
- [GT]** : To recall the value stored in the grand total memory which will be updated whenever [=] has been pressed. Grand total memory will be cleared when [ON/C] is pressed. As long as GT is not zero, the icon "GT" will appear on the display.
- [LOAN]** : Loan Amount or present value
- [PMT]** : Payment, enter or solve for the periodic principal and interest (P&I) payment
- [YEARS]** : Term of Loan
- [INT]** : Interest
- [SHIFT][P/Y]** : Payment Per Year

- [SHIFT][Δ%]** : Finds the percent change between two values
  - [%]** : Percent key
  - [SHIFT][TAXRATE]** : Press to recall the current tax rate. To change, enter a new tax rate and then press [+TAX] again to confirm the new tax rate value.
  - [+TAX]** : Press to add the tax to the total.
  - [-TAX]** : Press to subtract the tax from the total
  - [SHIFT][DEC-SET]** : Decimal place selector.
    - Presets the number of decimal places in the answer.
    - F : Floating decimal point.
    - 4, 2, 0 indicates 4, 2 or 0 decimal places.
    - A
- When the switch is set to "A", this indicates that the decimal digit is automatically set to 2 (for example: if you key in 8 the value is 0.08) but if you key in [ ] then this position is the base (Cannot use for multiplication and division).

2. MEMORY AND REGISTER

- \*Independent Memory\*™**
  - Recall by pressing [MRC] once
  - Clear only by pressing [MRC] twice or turn-off the calculator. Pressing [ON/C] twice will not clear this memory.
- \*Grand Total\*™**
  - Recall by pressing [GT] once
  - Clear only by pressing [ON/C] or pressing [GT] twice.
- \*Tax Rate**
  - When computing future value problem, enter the present value into the [LOAN] key.
  - Tax rate will never change until the user enters a new tax rate to replace it.

4. TAX CALCULATOR

Example	DEC-SET	Operation	Display
Setting 5% Rate (tax)	F	[ON/C] TAX 5.0 [SHIFT][TAXRATE] 5 [TAX+] 5.0	0. TAX% 5. TAX% 5.
Checking rate		[SHIFT][TAX RATE] TAX% 5.	TAX% 5.
Include 5% tax rate when cost is \$ 1000	2	[ON/C] TAX+ 1000 [TAX+] 50.00	0. +TAX 1'050.00 TAX 50.00
Exclude 5% tax rate when cost is \$ 1000	2	1000 [TAX-] [TAX-] 47.62	0. -TAX 952.38 TAX 47.62

5. MORTGAGE LOAN CALCULATION

- Basic mortgage keys --- [Loan], [Pmt], [Years], [Int].
- Enter any three known variables and press the key to find the unknown fourth variable.
- The calculator's default setting is 12 payments per year for monthly loan. If you have a non-monthly loan, you should change the number of payment per year using the two keys [SHIFT][P/Y], e.g. quarterly payment: 4[SHIFT][P/Y]. You can also press [ON/C], [SHIFT][P/Y] to view the current setting of [P/Y].
- Once you have calculated an answer, you can recall/re-display any variable by pressing [SHIFT] and the corresponding key. And you can change any variable and re-calculate the new answer without re-enter all the other data. This is handy for demonstrating various "what if" mortgage problem.

- Future Value
  - When computing future value problem, enter the present value into the [LOAN] key.

6. LOAN EXAMPLES

Example	DEC-SET	Operation	Display
Clear Calculator		[ON/C][ON/C]	MTHLY 0
Enter Loan amount		880000 [LOAN]	LOAN 880'000.00
Enter term in years	2	25 [YEARS]	YEARS 25.00
Enter interest		6.5 [INT]	INT 6.50
Find monthly payment		[PMT]	PMT = 5'941.82
If interest rate is increased to 7.0%, Find the new payment.	2	[CE/C] 7 [INT] [PMT]	0 INT 7.00 PMT = 6'219.66

Note: Before pressing [ON/C] [ON/C] to clear variable register, you can change any variable to find the new answer. You do not need to re-enter all variables. If [P/Y] = 12, "Mthly" will flash when pressing [ON/C] twice.

Finding the Monthly Payment with a Down Payment %

Example	DEC-SET	Operation	Display
Clear Calculator		[ON/C][ON/C]	MTHLY 0
Enter sales price		1500000	1'500'000
Less down payment %	2	[ ] 15 [ ]	1'275'000.00
Enter as Loan amount		[LOAN]	LOAN 1'275'000.00
Enter term in years		30 [YEARS]	YEARS 30.00
Enter interest		6.5 [INT]	INT 6.50
Find monthly payment		[PMT]	PMT = 8'058.87

\* Mortgage/TVM---[Loan], [Pmt], [Years], [Int]

- Recall by pressing [Shift] and the corresponding key
- Clear only by pressing [ON/C] twice or [Shift][C]r All.

\* Payments per year [P/Y]

- Default [P/Y] = 12 (monthly payment)
- Recall by pressing [ON/C], [SHIFT][P/Y]
- Change it by pressing # [SHIFT][P/Y]
- When calculator turns off, [P/Y] will reset to 12 (default)

- "ERROR" sign: The display shows "ERROR" when the answer exceeds 12 digits.
- 1. Press [ON/C] or [SHIFT][CLEAR ALL] to clear all values.
- 2. Press the [CE] key to clear the "ERROR" but the value on the display still can be effective, [MR] & [GT] are still stored.

3. BASIC CALCULATIONS:

Example	DEC-SET	Operation	Display
		[ON/C]	0.
100+50-30 (-10)×20+0.5=	F	100 [ ] 50 [ ] 30 [ ] 10 [ ] 20 [ ] 0.5 [ ]	120. -400.
5000 ÷ 3 =	2	50 [ ] 0 [ ] 3 [ ]	1'666.67
\$12.34 34.56 -56.78 78.70 \$69.02	A	1234 [ ] 3456 [ ] 5678 [ ] 7890 [ ]	12.34 46.90 -9.88 69.02
• 10% of 1500 • (1500 ÷ 10%) = 5% add-on of 1500 (1500 + 5%) = (1500 × 5%) = • percentage of 20 against 500	F	1500 [ ] x [ ] 10 [ ] 1500 [ ] ÷ [ ] 5 [ ] 1500 [ ] × [ ] 5 [ ] 20 [ ] ÷ [ ] 5 [ ]	150. 1'575. 1'425. 4.
• Clear calculator • Enter old value • Enter new value • Find the percent change	F	[ON/C] 50 [ ] 00 [ ] [SHIFT][Δ%] 5560 [ ]	0 Δ% 500'000 Δ% 556'000 Δ% 11.20
25 × 5 -) 84 + 3 +) 68 + 17 182	F	[MR] 25 [ ] 5 [ ] 84 [ ] 3 [ ] 68 [ ] 17 [ ]	MEMORY(M) 125. MEMORY(M) 29. MEMORY(M) 85. MEMORY(M) 182.

Example	DEC-SET	Operation	Display
123478 + 5		123456 [ ] 5 [ ]	123456. 1234. 123478. 123483.
456 + 378		456 [ ] 378 [ ] [ ] 5 [ ]	0. 834.
32 x 5 + 4 - 8 79 ÷ 2 - 30 + 88 175 ÷ 3	F	32 [ ] 5 [ ] 4 [ ] 6 [ ] 79 [ ] 2 [ ] 30 [ ] 88 [ ] 175 [ ] 3 [ ]	0. GRAND TOTAL 158. GRAND TOTAL 97.5 GRAND TOTAL 176. GRAND TOTAL 433.5

Invoicing

Article	Quantity	Unit price	Discount	Amount
A	320	\$ 32	5 %	\$ 9'728.00
B	150	20	8 %	2'760.00
C	460	78	7 %	33'368.40
Total	930			45'856.40
5% Sales Tax				\$ 2'292.82
Grand Total				\$ 48'149.22

DEC-SET: 2

MEMORY	Display
320 [ ] 32 [ ] 5 [ ]	GRAND TOTAL 9'728.00
150 [ ] 20 [ ] 8 [ ]	- 2'760.00
460 [ ] 78 [ ] 7 [ ]	- 33'368.40
[ ] 5 [ ]	- 45'856.40
[ ] 5 [ ]	- 48'149.22
[ ] 5 [ ]	- 930.00

Finding the Quarterly Payment

Example	DEC-SET	Operation	Display
Clear Calculator		[ON/C][ON/C]	MTHLY 0
Set to 4 payment/year		4 [SHIFT][P/Y]	P/Y 4.00
Enter Loan amount		880000 [LOAN]	LOAN 880'000.00
Enter term in years	2	25 [YEARS]	YEARS 25.00
Enter interest		7 [INT]	INT 7.00
Find quarterly payment		[PMT]	PMT = 18'698.95
Reset to 12 payment/year		[ON/C]	
		12 [SHIFT][P/Y]	P/Y 12.00

WARRANTY

Your new VICTOR electronic calculator is guaranteed to the Original purchaser for two years for all parts and labor, providing repair work is performed at an authorized VICTOR Regional Service Center and the unit is sent by prepaid mail. For Service Centers outside the USA please consult your local office supply dealer or Victor's website. Warranty repair requires a copy of the original purchase invoice or receipt to be packed with the machine.

Any warranty, statutory or otherwise, does not include service and/or replacement or repair of parts when damage or defect is a result of accident, abuse, or the elements.

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