1. Important Information

- The illustrations in this manual are designed for easy understanding and may differ from the actual product. It may be that the actual product is subject to change without notice.
- No residual effect for items that are not shown in the illustrations.

2. Sample Operations

Display the following in four steps:

- Press (Continuing) 10
- Press (Continuing) 10
- Press (Continuing) 10
- Press (Continuing) 10

3. Handling Precautions

- Do not leave the product near an open window or door. The display may be damaged due to exposure to rain or water. When carrying the product, hold it securely by the main body and the battery cover. The display may be damaged if you drop the product.
- Avoid direct sunlight and high humidity. The display may be damaged if you use the product in high humidity or in extremely low temperatures.

4. Safety Precautions

- Do not disassemble or modify the product. By doing so, the product may be damaged or cause an electrical shock.

5. Functions Precautions

- Use a soft, dry cloth to clean the exterior of the calculator. Do not use an organic solvent or alcohol.

6. Removing the Hard Case

You can remove the hard case to show the actual product. The hard case is designed to be removed, and it should not be torn off. If you remove the hard case, follow the instructions to return it to its original state.

7. Turning Power On and Off

Press (Power) to turn on the calculator.

8. Adjusting Display Contrast

- Press (Display) to adjust the display contrast.

9. Reading the Display

The display shows the results of calculations and input, results, and variables.

10. Specifying the Calculation Mode

When you want to perform this type of calculation:

- Recalculate: Use the calculation mode for the type of calculation you want to perform.

11. Configuring the Calculator Setup

- Press (Preparations) to configure the calculator setup.

12. Setting Up the Calculator

Press the key of the type of calculator you want to use.

13. Basic Calculations

- Fraction Calculations

14. Function Calculations

To calculate ln 90 (= log of 1000)

15. Percent Calculations

- Percent Calculations

16. Display, Minute, Second (Sexagesimal) Calculations

Display the following data for sexagesimal calculations:

17. Initializing Calculator Settings

- Initializing Calculation Settings

Note: You must always input something for the degrees and minute, even if you specify the calculation result.

18. Inputting Expressions and Values

- Expressions and Values

19. Memory Operations

- Memory Operations

20. Using Engineering Notation

- Using Engineering Notation

21. Calculation History

- Calculation History

Note: The display of the result is shifted left by the specified digit before being displayed.

22. Answer Memory (Ans)

- Answer Memory (Ans)

23. Calculation History

- Calculation History

Note: The display of the result is shifted left by the specified digit before being displayed.

24. Independent Memory (M)

- Independent Memory (M)

Note: The display of the result is shifted left by the specified digit before being displayed.

25. Multi-Statement Calculations

- Multi-Statement Calculations

You can use the colon character (:) to connect two or more expressions and execute them in sequence from left to right when you press (Calculate)

26. Coordinate Conversion

- Coordinate Conversion

Note: The display of the result is shifted left by the specified digit before being displayed.

27. Fix, Sci, Eng

- Fix, Sci, Eng

Note: The display of the result is shifted left by the specified digit before being displayed.

28. Variable Memory (A, B, C, D, E, F, G)

- Variable Memory (A, B, C, D, E, F, G)

Note: The display of the result is shifted left by the specified digit before being displayed.

29. Engineering Notation

- Engineering Notation

Note: The display of the result is shifted left by the specified digit before being displayed.

30. Calculation History

- Calculation History

Note: The display of the result is shifted left by the specified digit before being displayed.

31. Multi-Statement Calculations

- Multi-Statement Calculations

You can use the colon character (:) to connect two or more expressions and execute them in sequence from left to right when you press (Calculate)

32. Coordinate Conversion

- Coordinate Conversion

Note: The display of the result is shifted left by the specified digit before being displayed.

33. Fix, Sci, Eng

- Fix, Sci, Eng

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34. Variable Memory (A, B, C, D, E, F, G)

- Variable Memory (A, B, C, D, E, F, G)

Note: The display of the result is shifted left by the specified digit before being displayed.

35. Engineering Notation

- Engineering Notation

Note: The display of the result is shifted left by the specified digit before being displayed.

36. Calculation History

- Calculation History

Note: The display of the result is shifted left by the specified digit before being displayed.

37. Multi-Statement Calculations

- Multi-Statement Calculations

You can use the colon character (:) to connect two or more expressions and execute them in sequence from left to right when you press (Calculate)

38. Coordinate Conversion

- Coordinate Conversion

Note: The display of the result is shifted left by the specified digit before being displayed.

39. Fix, Sci, Eng

- Fix, Sci, Eng

Note: The display of the result is shifted left by the specified digit before being displayed.

40. Variable Memory (A, B, C, D, E, F, G)

- Variable Memory (A, B, C, D, E, F, G)

Note: The display of the result is shifted left by the specified digit before being displayed.

41. Engineering Notation

- Engineering Notation

Note: The display of the result is shifted left by the specified digit before being displayed.

42. Calculation History

- Calculation History

Note: The display of the result is shifted left by the specified digit before being displayed.

43. Multi-Statement Calculations

- Multi-Statement Calculations

You can use the colon character (:) to connect two or more expressions and execute them in sequence from left to right when you press (Calculate)

44. Coordinate Conversion

- Coordinate Conversion

Note: The display of the result is shifted left by the specified digit before being displayed.

45. Fix, Sci, Eng

- Fix, Sci, Eng

Note: The display of the result is shifted left by the specified digit before being displayed.

46. Variable Memory (A, B, C, D, E, F, G)

- Variable Memory (A, B, C, D, E, F, G)

Note: The display of the result is shifted left by the specified digit before being displayed.

47. Engineering Notation

- Engineering Notation

Note: The display of the result is shifted left by the specified digit before being displayed.

48. Calculation History

- Calculation History

Note: The display of the result is shifted left by the specified digit before being displayed.

49. Multi-Statement Calculations

- Multi-Statement Calculations

You can use the colon character (:) to connect two or more expressions and execute them in sequence from left to right when you press (Calculate)

50. Coordinate Conversion

- Coordinate Conversion

Note: The display of the result is shifted left by the specified digit before being displayed.

51. Fix, Sci, Eng

- Fix, Sci, Eng

Note: The display of the result is shifted left by the specified digit before being displayed.

52. Variable Memory (A, B, C, D, E, F, G)

- Variable Memory (A, B, C, D, E, F, G)

Note: The display of the result is shifted left by the specified digit before being displayed.

53. Engineering Notation

- Engineering Notation

Note: The display of the result is shifted left by the specified digit before being displayed.

54. Calculation History

- Calculation History

Note: The display of the result is shifted left by the specified digit before being displayed.

55. Multi-Statement Calculations

- Multi-Statement Calculations

You can use the colon character (:) to connect two or more expressions and execute them in sequence from left to right when you press (Calculate)

56. Coordinate Conversion

- Coordinate Conversion

Note: The display of the result is shifted left by the specified digit before being displayed.

57. Fix, Sci, Eng

- Fix, Sci, Eng

Note: The display of the result is shifted left by the specified digit before being displayed.

58. Variable Memory (A, B, C, D, E, F, G)

- Variable Memory (A, B, C, D, E, F, G)

Note: The display of the result is shifted left by the specified digit before being displayed.

59. Engineering Notation

- Engineering Notation

Note: The display of the result is shifted left by the specified digit before being displayed.

60. Calculation History

- Calculation History

Note: The display of the result is shifted left by the specified digit before being displayed.

61. Multi-Statement Calculations

- Multi-Statement Calculations

You can use the colon character (:) to connect two or more expressions and execute them in sequence from left to right when you press (Calculate)

62. Coordinate Conversion

- Coordinate Conversion

Note: The display of the result is shifted left by the specified digit before being displayed.

63. Fix, Sci, Eng

- Fix, Sci, Eng

Note: The display of the result is shifted left by the specified digit before being displayed.

64. Variable Memory (A, B, C, D, E, F, G)

- Variable Memory (A, B, C, D, E, F, G)

Note: The display of the result is shifted left by the specified digit before being displayed.

65. Engineering Notation

- Engineering Notation

Note: The display of the result is shifted left by the specified digit before being displayed.

66. Calculation History

- Calculation History

Note: The display of the result is shifted left by the specified digit before being displayed.

67. Multi-Statement Calculations

- Multi-Statement Calculations

You can use the colon character (:) to connect two or more expressions and execute them in sequence from left to right when you press (Calculate)

68. Coordinate Conversion

- Coordinate Conversion

Note: The display of the result is shifted left by the specified digit before being displayed.

69. Fix, Sci, Eng

- Fix, Sci, Eng

Note: The display of the result is shifted left by the specified digit before being displayed.

70. Variable Memory (A, B, C, D, E, F, G)

- Variable Memory (A, B, C, D, E, F, G)

Note: The display of the result is shifted left by the specified digit before being displayed.

71. Engineering Notation

- Engineering Notation

Note: The display of the result is shifted left by the specified digit before being displayed.
1. Input Data
- The SD Mode and REG Mode, the key operate as the SD Mode.
- Always start input data with [RCL] (0), (1), (2), (3), (4), (5), (6), (7), (8), (9), (0).
- Do not input the key sequence shown below.
- Use data in the register as the SD Mode.
- You can also input multiple entries of the same data using [RCL] (1), (2), (3), (4), (5), (6), (7), (8), (9), (0) (for the REG Mode).

2. To connect rectangular coordinates (r, θ) to polar coordinates.
- The input data in the form of data item, you can use the (r, θ) keys to switch between the form of data.
- In this regard, the input data is displayed in polar coordinates.
- The (r, θ) keys are to display the value of r, or θ.
- To change the value of r, or θ, use the (r, θ) key to change the value of r, or θ.
- To convert polar coordinates (r, θ) to rectangular coordinates.
- The input data in the form of data item, you can use the (r, θ) keys to switch between the form of data.
- In this regard, the input data is displayed in rectangular coordinates.
- The (r, θ) keys to display the value of r, or θ.
- To change the value of r, or θ, use the (r, θ) key to change the value of r, or θ.

3. Calculating Estimated Values
- The input data in the form of data item, you can use the (r, θ) keys to switch between the form of data.
- In this regard, the input data is displayed in polar coordinates.
- The (r, θ) keys are to display the value of r, or θ.
- To change the value of r, or θ, use the (r, θ) key to change the value of r, or θ.
- To convert polar coordinates (r, θ) to rectangular coordinates.

4. Function Calculation Input Ranges and Precision
- The input data in the form of data item, you can use the (r, θ) keys to switch between the form of data.
- In this regard, the input data is displayed in rectangular coordinates.
- The (r, θ) keys to display the value of r, or θ.
- To change the value of r, or θ, use the (r, θ) key to change the value of r, or θ.