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## Casio FX-JP900-N

# Casio FX-JP900-N Scientific Calculator User Manual

Comprehensive guide for operating your Casio FX-JP900-N scientific calculator.

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## 1. INTRODUCTION

This manual provides detailed instructions for the proper use and care of your Casio FX-JP900-N scientific calculator. The FX-JP900-N is designed for advanced mathematical and scientific calculations, featuring a high-definition display and a wide range of functions to support various academic and professional needs.



Image: The Casio FX-JP900-N scientific calculator, showcasing its high-definition display and key layout.

## 2. SETUP

### 2.1. Power Source

The Casio FX-JP900-N operates on solar power with a single LR44 battery as backup. The battery is included with the calculator. Ensure sufficient light for solar operation or replace the LR44 battery if the display becomes dim or unresponsive in low light conditions.

### 2.2. Initial Power On

To turn on the calculator, press the **ON** button. To turn off, press **SHIFT** then **AC** (OFF).

## 2.3. Language Settings

The calculator supports multiple display languages. To change the language, navigate to the **MENU**, then **SETUP**, and select the desired language option. While the calculator features a high-definition display capable of showing Japanese characters, the primary interface can be set to English for ease of use.

見やすく・分かりやすい  
高精細液晶

[対応機種] fx-JP500/JP700/JP900

解像度  
4倍

表示情報が大幅UP  
ひと目で確認できる一覧表示

\*解像度はカシオ従来モデル比較

### 日本語表示

1画面に4行の日本語が表示できるので  
必要な設定項目を見つけやすい

- 1: 入力/出力
- 2: 角度単位
- 3: 表示桁数
- 4: エンジニアリング記号表示

### 数学自然表示

入力も表示も教科書や理工学書通りで  
分かりやすい

$$\frac{1}{3} + \frac{1 + \sqrt{5}}{2} = \frac{5 + 3\sqrt{5}}{6}$$

Image: The high-precision LCD of the Casio FX-JP900-N, illustrating its clarity and ability to display detailed information, including mathematical natural display and language options.

## 3. OPERATION

### 3.1. Basic Calculations

Enter numbers and operations using the keypad. Press **=** to display the result. Use **AC** to clear the current entry and **DEL** to delete the last character.

### 3.2. Advanced Functions

The FX-JP900-N offers over 700 functions, accessible via the **SHIFT** and **ALPHA** keys. Key functions include:

- **Complex Number Calculations:** Perform operations with complex numbers.

- **Statistical Calculations:** Analyze data with various statistical functions.
- **Equation Calculations:** Solve linear, quadratic, and other equations.
- **Matrix Calculations:** Perform matrix arithmetic and transformations.
- **Vector Calculations:** Work with vectors in 2D and 3D space.
- **Base-N Calculations:** Convert and calculate in different number bases (binary, octal, decimal, hexadecimal).
- **Table Functions:** Generate numerical tables from functions.
- **Trigonometry/Inverse Trigonometry:** Sine, Cosine, Tangent, and their inverses.
- **Logarithmic and Exponential Functions:** Logarithms, natural logarithms, and exponential calculations.
- **Engineering Symbol Calculation:** Use engineering prefixes and symbols.
- **40 Scientific Constants:** Access a library of physical constants.
- **40 Metric Conversions:** Convert between various units.
- **Periodic Table:** Access elemental information for chemical calculations.
- **Integer Extraction Function:** Extract integer parts of numbers.
- **Summation Calculation:** Perform calculations for series and sequences.

# 優れた処理能力を実現 高性能LSI

[対応機種] fx-JP500/JP700/JP900

処理能力  
4倍

計算スピードが速い  
高度な関数計算も高速処理

[計算例]

$$\int_{-\frac{\pi}{3}}^{\frac{\pi}{2}} \sin(x) dx = \frac{1}{2}$$

容量  
2倍

メモリーが大幅UP  
大量なデータ集計・分析が可能

\*処理能力/容量はカシオ従来モデル比較

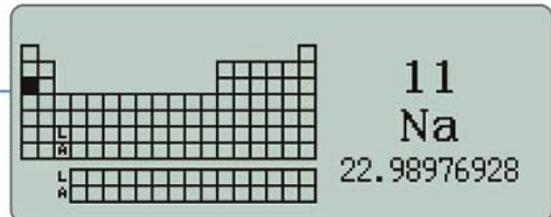
Image: Diagram highlighting the high-performance LSI of the Casio FX-JP900-N, indicating 4x faster processing speed and 2x memory capacity compared to previous models, enabling high-speed processing of advanced function calculations.

# 理工学にも活用が広がる 周期表や便利な機能

[対応機種] fx-JP700/JP900

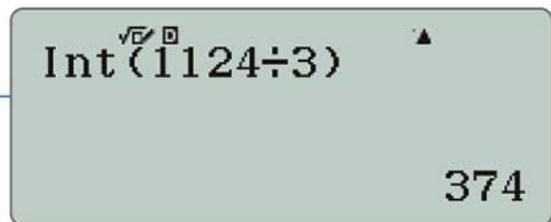
## 周期表

原子量を呼び出して化学の計算に引用できる



## 整数抽出機能

整数部分を抽出できるので概数計算に活用できる



## 総積計算

数列や順列・組合せの計算に活用できる

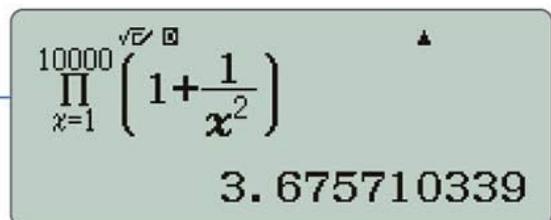


Image: Display examples of the Casio FX-JP900-N showing the periodic table function, integer extraction, and summation calculations, demonstrating its utility in various scientific and engineering fields.

### 3.3. Table Calculation and Web Services

The calculator includes a table calculation feature for data aggregation and analysis, supporting up to 5 columns and 45 rows (maximum 170 data points).

Furthermore, the FX-JP900-N supports web service integration. By displaying a QR code on the calculator, you can link with a smartphone or tablet to view formulas, graphs, and even the manual online. This feature enhances data sharing and accessibility.

# 活用が広がる 表計算・Webサービス機能

[対応機種] fx-JP900

## 表計算

電卓上でデータ集計などでもできる便利な  
表計算機能

- 5列45行(最大170データ)まで変更

	A	B	C	D
38	177	179	176	176
39	177	175	171	182
40	173	175	175	177
41	175.75	179.6	176.2	177.55

=Mean(D1:D40)

## Webサービス 連携機能

電卓に表示したQRコード※から  
スマホやタブレットに連携し数式や  
グラフ、さらにマニュアルも表示できる

※株式会社デンソーウェーブの登録商標です



Image: The Casio FX-JP900-N demonstrating table calculation capabilities and the QR code feature for web service integration, allowing formulas and graphs to be viewed on external devices.



Store the calculator in a cool, dry place away from direct sunlight and extreme temperatures. Avoid placing heavy objects on top of the calculator to prevent damage to the keys or display. When not in use for extended periods, ensure the calculator is turned off.

## 5. TROUBLESHOOTING

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### 5.1. Display is blank or dim

- Ensure the calculator is in a well-lit area for solar power.
- Check the LR44 battery. If it's depleted, replace it.
- Press the **ON** button firmly.

### 5.2. Incorrect calculation results

- Verify the input values and the sequence of operations.
- Check the current mode (e.g., DEG/RAD/GRAD for angles, COMP/STAT for calculation type). Adjust as needed via **SHIFT + SETUP**.
- Perform a calculator reset if issues persist. To reset, press **SHIFT + 9** (CLR), then select **All**, and confirm.

### 5.3. Keys are unresponsive

- Clean around the keys to remove any debris.
- If the calculator has been exposed to moisture, allow it to dry completely.
- If the issue persists after a reset, contact customer support.

## 6. SPECIFICATIONS

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Feature	Detail
Model Number	FX-JP900-N
Brand	Casio
Calculator Type	Engineering/Scientific
Power Source	Solar, 1 LR44 battery (included)
Screen Size	6.72 Inches
Material Type	Plastic
Product Dimensions	16.75 x 8.2 x 1.8 cm
Weight	90.72 g
Functions	Over 700 functions, high-definition display, natural textbook display, QR code function

16.75cm



8.2cm

Image: The Casio FX-JP900-N calculator with its dimensions indicated: 16.75 cm in length and 8.2 cm in width.

## 7. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your purchase or visit the official Casio website. Keep your proof of purchase for warranty claims.

