

**SEIKO**

AMERICAN  
HERITAGE  
DICTIONARY

Compact Edition

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**WP5402R**  
**OPERATION MANUAL**

SII ● Seiko Instruments Inc.

Thank you for purchasing the WP5402R.  
Please read this operation manual carefully  
before using the product.

### **Introduction**

The “American Heritage Dictionary / Compact Edition” (WP5402R) by Seiko Instruments is an electronic dictionary and spell checker.

The WP5402R contains Houghton Mifflin’s American Heritage Dictionary and a comprehensive spell checker.

When you need the perfect word, WP5402R has it for you - at the touch of a button. This means no more frantic page flipping through multiple volumes.

In addition, the WP5402R includes a calculator with metric and currency conversion function.

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## **OPERATION MANUAL**

**ENGLISH**

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## Functions and Features

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### 1. Spell Checker

- \* The unit will instantly verify correctly spelled words.
- \* The vocabulary comes from the American Heritage Dictionary.
- \* The unit can correct over 1 million misspellings. Simply input the word as you best remember it, and the unit will take educated guesses based upon similarity to correctly spelled words in its memory.
- \* The unit can also correct “phonetic” spelling errors. If you enter a word “as it sounds”, the unit will suggest real words, based upon phonetic equivalents to what you entered.

#### Wildcard Function

- \* This function allows you to enter a “ ? ” into a word at the point where you are unsure about its spelling.
- \* The unit can help you tackle tough crossword puzzles and other word games.

### 2. Dictionary

- \* The unit can provide over 130,000 definitions for over 70,000 entry words (headwords). The vocabulary comes from the American Heritage Dictionary.

- \* When displaying a headword, the unit shows part of speech and inflected forms.
- \* You may scroll through the dictionary’s word list in alphabetical order.

#### Definition Search Function

- \* Opposite to the way in which a regular dictionary is used, a headword can be searched which has in its definition a specific term (keyword).

### 3. Tag Function

- \* A word in spell checker can be picked and used as the entry word for dictionary mode.

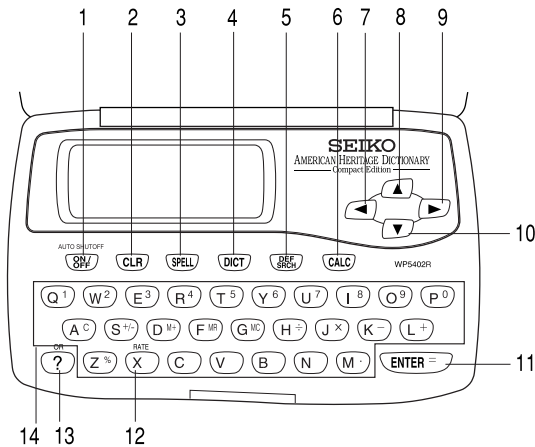
### 4. Conversion Function (In Calculator)

- \* Conversion function enables you to convert foreign currencies and metric units of length, weight , liquid measure and temperature.

### 5. Calculator Function

- \* You may add, subtract, multiply and divide numbers with up to 10 digits.
- \* Memory and percent functions are included.

## The Keys and Their Functions



1. Turns power on and off.
2. Clears all the input characters.
3. Selects Spell check mode.
4. Selects Dictionary mode.
5. Activates Definition Search function.
6. Selects Calculator mode, Currency and Metric converters.

7. Backspace Erasure key. (\*)  
For shifting the display to the left.
8. For scrolling back up through the lists in the unit's memory. (\*)
9. Enters one blank space when pressed once. (\*)  
For shifting the display to the right.
10. For scrolling down through the lists in the unit's memory. (\*)
11. Executes the functions.
12. For entering the new rate in the conversion mode.
13. Used in place of letter(s) you are unsure of, when inputting a word for which you don't know the spelling.
14. Letter and numeral input keys.

(\*) For selecting the menu in the conversion mode

- Unit displays upper case letters only.
- When the power is turned back on, the unit will show the initial display in the mode used before the power was last turned off.
- Unit will automatically turn off when not used for over 3 minutes.

## Using the Spell Check Mode

Press **(ON/OFF)** and then **(SPELL)**.

SPELL CHECK

\_

### ■ If the spelling of a word you enter is correct:

1. Type word.  
*Example: APPLE*

SPELL CHECK  
APPLE\_

2. Press **(ENTER)**.

-- CORRECT --  
• APPLE

After the display “CHECKING ...”, the message “CORRECT” will appear.

### ● Entering and Correcting Letters

- \* Up to 29 letters can be entered.
- \* The display will shift to the left if you enter 12 or more characters.
- \* Use **(▶)** to enter a space.
- \* Corrections can be made by using **(◀)**.
- \* The entire display can be cleared by pressing **(CLR)**.

### ■ If the spelling of the word you enter is incorrect:

1. Type word.

*Example: INOVATE*

SPELL CHECK  
INOVATE\_

2. Press **(ENTER)**.

• INVITE  
• INNOVATE ▼

After the display “CHECKING”, the unit will take “educated guesses” as to what real word you may have intended.

If its displayed guesses are not the word you wanted, you may scroll through the list of other words guessed by using **(▼)**.

3. Press **(▼)** three times.

• INNOVATE  
• IMITATE ▲▼

- \* The ▼ and ▲ marks will appear.
- \* Up to 20 possible alternatives can be displayed for an incorrectly spelled word.
- \* If **(ENTER)** is pressed, the ordinarily entered word will reappear on the display.

\* If your entered spelling of a word is so far off from the correct spelling that the unit can't figure out a reasonable guess, or if the intended word is not contained within the unit's vocabulary, the message "NOT FOUND" will be displayed.

\* If you wish immediately thereafter to conduct a spelling check on another word, either press (CLR) or simply enter the new spelling.

### ■ Using the Wildcard Function

(Investigating a word of whose spelling you are partially unsure)

If you are unsure of part of the spelling of a word, enter the word using (?) for the letter(s) of which you are unsure.

1. Type word.  
Example: AC???T

```
SPELL CHECK
AC???T_
```

2. Press (ENTER) .

```
• ACCENT
• ACCEPT
```

3. Press (▼) three times.

```
• ACCEPT
• ACCOST
```

## Using the Dictionary Mode

### ■ Basic Procedure

Example: Finding the definition of "INNOVATE".

1. Press (ON/OFF) and then (DICT) .

```
DICTIONARY
_
```

2. Type word.

```
DICTIONARY
INNOVATE_
```

3. Press (ENTER) .

```
INNOVATE [V]
1. TO BEGIN ▾▶
```

After checking that the word is contained in the dictionary, the entered word is confirmed.

The unit shows part of speech, inflected forms and definition.

The ▶◀ marks in the display indicate that details which cannot be displayed on the screen are hidden to the right, or to the left of the current display. Press (▶) to shift the display to the right. Press (◀) to shift the display to the left.

4. Press (▶) .

```
INNOVATE [V]
TO BEGIN OR
◀▶
```

When there are multiple definitions, pressing **ENTER** allows the definitions to be sent in order in the various definition units.

5. Press **ENTER**.

INNOVATE [V]  
2. TO BE CRE ▶

A press of **ENTER** after the last definition screen will result in a return to the first screen.

### ● **Parts of Speech**

ADJ/ adjective, ADV/ adverb, CONJ/ conjunction,  
ART/ article, PN/ pronoun, PREP/ preposition,  
NT/ neuter, PL/ plural, V/ verb, N/ noun, M/ masculine,  
F/ feminine, INTERJ/ interjection

### ● **Investigating a word of whose spelling you are partially unsure**

If you are unsure of part of the spelling of a word, enter the word using **?** for the letter(s) of which you are unsure.

1. Type word.  
*Example: AC???T*

DICTIONARY  
AC???T\_

2. Press **ENTER**.

• ACCENT  
• ACCEPT ▼

### ● **Misspelled Words or Words Not in Memory**

If the entered word is not contained in the dictionary, pressing **ENTER** will result in display of the word whose spelling comes closest to that of the entered word.

1. Type word.  
*Example: APLE*

DICTIONARY  
APLE\_

2. Press **ENTER**.

NOT FOUND  
APLE

APIECE [ADV]  
1. TO OR FOR ▶

### ● **Searching for Word**

\* The word list is in alphabetical order.

INNOCUOUS [A]  
1. HARMLESS. ▼▶

The **▼** moves forward through the alphabet.

▼ ▲

INNOVATE [V]  
1. TO BEGIN ▼▶

The **▲** moves backward.

▼ ▲

INNOVATION [  
1. THE ACT O ▼▶

## ■ Definition Search

Opposite to the way in which a regular dictionary is used, a headword can be searched which has in its definition a specific term (keyword).

1. Press (DEF/SRCH) .

```
SEARCH 4 MAX
_
```

2. Enter the specific keyword and press (ENTER) .  
*Example: FRAGRANT*

```
SEARCH 4 MAX
FRAGRANT_
```

“SEARCHING” will be displayed along with the current status of the search progress.

```
- SEARCHING -
4 % CHECKED
```

The first dictionary entry who’s definition contains your keyword(s) will be displayed, along with it’s definition.

```
APPLE [N]
1. A TREE HA ▶
```

3. Pressing (▼) will start the searching again in order to find other dictionary entries containing your keyword(s).

```
ATTAR [N]
1. A FRAGRAN ▶
```

## ● Entering Multiple Keywords

Up to four keywords can be entered. Two different meanings can be expressed by how the keywords are separated.

### 1. Keywords with AND

A **space** has the meaning of “**and**”.

This method will search for headwords which include both keywords in the text of the definition. Use (▶) to enter a space.

*Example: FRAGRANT OIL*

```
SEARCH 4 MAX
FRAGRANT OIL
```

Press (ENTER) .

```
ATTAR [N]
1. A FRAGRAN ▶
```

### 2. Keywords with OR

The **slash** symbol “/” has the meaning of “**or**”.

This method will search for headwords which contain either one of the two keywords in the text of the definition. Use (?) (OR) to input the slash “/”.

*Example: FRAGRANT / OIL*

```
SEARCH 4 MAX
FRAGRANT / OIL
```

Press (ENTER) .

```
ACNE [N]
1. AN INFLAM ▶
```



## Using the Tag Function

A word in spell checker can be picked and used as the entry word for dictionary mode.

1. Press **(SPELL)**.

SPELL CHECK  
\_

2. Type word.  
*Example: INOVATE*

SPELL CHECK  
INOVATE\_

3. Press **(ENTER)**.

• INVITE  
• INNOVATE ▾

4. Press **(▼)** twice.

• INVITE  
• INNOVATE ▾

5. Press **(DICT)**.

Definition for "INNOVATE"  
will be presented.

INNOVATE [V]  
1. TO BEGIN ▸

## Using the Calculator Mode

To enter the calculation mode, press **(CALC)**.

### ■ Using the Conversion Function

#### ● Entering or Changing a Conversion Rate

You must enter a currency exchange rate before you can do a currency conversion.

*Example: If the exchange rate is \$ 1 US = 3 pesos*

1. Enter the new rate. (= 3 )

NEW RATE  
3.

2. Press **(x)** (RATE).

#### ● Currency Conversion

*Example: Pesos to Dollars ( \$ 1 = 3 Pesos )*

1. Enter the number you wish to convert.

39.

2. Press **(▼)**.

HOME CURR  
(For converting from foreign  
currency)

-> HOME CURR  
39.

3. Press **(ENTER)**.

The answer (13) will be displayed.  
39 Pesos = 13 Dollars.

13.

## ● Metric Conversion

Example: Miles to Kilometers

1. Enter the number you wish to convert.

2.

2. Press **▲** twice.

MILE -> KM  
2.

3. Press **ENTER**.

2 Miles = 3.218688 Kilometers.

3.218688

## ● Metric / Currency Conversion Menu

Displayed in the following order;

Press **▼** (or **▶**).

-> HOME CURR  
For converting  
from foreign currency

KM (kilometer) -> MILE  
KG (kilogram) -> POUND  
TEMP: C (Centigrade) -> F  
METER -> YD (yard)  
METER -> FT (feet)  
CM (centimeter) -> INCH  
GRAM -> OZ (ounce)  
L (liter) -> QT (quart) (US)  
L -> GAL (gallon) (US)  
ML(milliliter) -> OZ (US)  
L -> QT (UK)  
L -> GAL (UK)  
ML -> OZ (UK)

Press **▲** (or **◀**).

-> LOCAL CURR  
For converting  
to foreign currency

MILE -> KM  
POUND -> KG  
TEMP: F (Fahrenheit) -> C  
YD -> METER  
FT -> METER  
INCH -> CM  
OZ -> GRAM  
QT (US) -> L  
GAL (US) -> L  
OZ (US) -> ML  
QT (UK) -> L  
GAL (UK) -> L  
OZ (UK) -> ML

## ■ Using the Calculator Function

The unit functions as a calculator with memory and percent capabilities when **CALC** is pressed. Numbers and arithmetic operations only can be input in this mode.

### ● Keys and their Functions

1. **CALC** Selects Calculator mode, Currency and Metric converters.
2. **1 ~ 0** Number input keys.
3. **+, -, x, ÷** Mathematical function keys.
4. **MC** Clears memory.
5. **MR** Recalls number in memory.
6. **M+** Enters number in memory.
7. **C** Clears last entry with one press.
8. **CLR** Clears all entries.
9. **+/-** Changes sign of number.
10. **%** Percentage key.

\* “Running Total feature” keeps any total you store via the **M+** key, safe in memory, even if you switch to other modes, or if the unit shuts off. If you want to clear the values in memory, press the **MC** key.

### ● Correcting and Clearing Entries

If you enter an incorrect number, press  $\text{AC}$  to clear the entire displayed number, then re-enter the correct number. If you press an incorrect mathematical function key, simply press the correct function key afterward.

### ● If “ E ” appears in display:

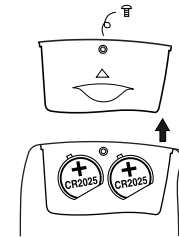
- The answer to a calculation is more than 10 digits.
  - The memory is full.
  - 0 has been used as a divisor.
- Press  $\text{CLR}$  to remove the “ E ” and continue.

**MEMO**

## Changing Batteries

**Batteries need to be changed as soon as display becomes dim.**

1. Turn the unit over.
2. Remove the screw and the battery cover.
3. Remove both old batteries.
4. Insert 2 new **CR2025** batteries with “ + ” side facing you.
5. Replace the battery cover and the screw.
6. Press the “**RESET**” button on the bottom of the unit.



- \* Do not use a previously used battery together with a new battery.
- \* Do not expose the battery to open flame or intense heat.
- **The product battery may pose a choking hazard to small children.**
- **Keep the battery and product away from small children.**
- \* If the unit does not operate properly after the battery has been replaced, or if at any time the unit fails to operate properly, gently press the “**RESET**” button on the bottom of the unit.

## **Proper Use**

To ensure a long and useful life from this precision electronic instrument, do not expose the unit to the following:

Extreme heat or cold / Water or other liquids including spray cleaners / Extreme pressure (such as carrying in a back pocket)

Doing any or all of these things may:  
Render the unit inoperable  
Invalidate the warranty

## **Specifications**

Display: 12 characters x 2 lines  
Temperature range: 32°F to 104° F (0° C to +40° C)  
Battery: Lithium CR2025 x 2 pcs.  
Battery life: approx.600 hours (continuous use)  
Automatic power off: approx. 3 minutes  
Size: 112 (W) x 71 (H) x 12.5 (D) mm  
Weight: approx 70g (including batteries)

- \* Specifications may change without notice in order to make product improvements.
- \* The life of the batteries will vary depending on how the unit is used.

## **ONE YEAR LIMITED WARRANTY**

1. This product is warranted to be free from defects in material or workmanship for one year from date of purchase.
2. Repair (or at our option, replacement) will be made on any unit which proves to be defective during this period. Carefully pack the unit along with proof of purchase and a completed copy of the Warranty Record you will find in this manual. Postage, insurance and shipping costs incurred in returning the product for warranty service are your responsibility.
3. This warranty does not extend to units which have been subjected to misuse, abuse, neglect, accidents or to units that have been used in violation of the operation instructions. If in our judgement, the unit shows evidence of having been altered, modified or serviced without our authorization, it will be ineligible for service under this warranty.
4. Battery replacement and broken Liquid Crystal Displays are not covered under this warranty.

Seiko Instruments Inc. shall not be liable for any direct, consequential or incidental damages arising out of use of this product. Seiko Instruments Inc. shall not be responsible for damages to this unit as a result of a natural or unnatural disaster, except to the extent prohibited by applicable law. Any implied warranty of merchantability or fitness for a particular purpose on this product is limited in duration to the duration of the warranty.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

This device complies with part 15 of the FCC Rules.  
Operation is subject to the following two conditions:  
(1) This device may not cause harmful interference, and  
(2) This device must accept any interference received,  
including interference that may cause undesired  
operation.



**EC DECLARATION OF CONFORMITY**

This is to certify that this equipment fully conforms to the protection requirements of the following EC Council Directives on the approximation of the laws of the member states relating to:-

<u>Directives</u>	<u>Title</u>
89/336/EEC	Electromagnetic Compatibility

<u>Applicable Standards</u>	
EN50081-1	Electromagnetic Compatibility - Generic Emission
EN50082-2	Electromagnetic Compatibility - Generic Immunity

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