

RLM-11C Scientific Calculator Overview

The RLM-11C calculator, is a full simulation of the real world HP-11C calculator in his two versions, the **Classic** and the **Platinum** or Anniversary editions.

The HP-11C was designed and introduced by Hewlett-Packard in 1981 and discontinued in 1989. After 30 years it is still ones of the most wanted scientific calculators in the market. Its design, functionality and easy of use remains valuable for scientist and engineering professionals around the world.

The HP-11C was a mid range scientific programmable calculator including label addressing (0-9 and A-E), subroutines (nestable to 4 deep). 8 conditional tests, increment/decrement loops, 2 control flags and indirection via a dedicated **"I"** register.

The I **"I"** register itself was controlled by **"STO I"** or **"RCL I"** and indirection was achieved by **"STO (i)"** or **"RCL(i)"**. Indirection was allowed on **STO, RCL, GTO, GSB**, the display modes and exchange (exchange X with the register indicated by **"I"**). The **"I"** register could also be used with the **"ISG"** (Increment then Skip if Greater) and **"DSE"** (Decrement then Skip if less than or Equal).

For program editing, the calculator featured implied insert (instructions entered didn't overwrite the current instruction) and instruction deletion via the **"←"** key.

The HP-11C had 63 lines of permanent program space. As programs grew larger than 63 lines, registers were converted into additional program space starting at R.9 and ending at R0. There were 20 registers (not including the **"I"** register) and each register converted into 7 lines of program space. Thus with all registers (except **"I"**) converted to program space, there were 203 program lines.

The HP-11C included a limited user definable keyboard. When the user mode was in effect (and the **USER** annunciator showed in the display) the gold shifted labels “**A**” to “**E**” were swapped with the unshifted math functions on the same keys. This allowed 5 user programs to be invoked with single keystrokes.

The RLM-11C calculator series contains additional tools to enhance and improve the overall calculator’s functionalities, the user experience and usability. See the next page for a summary description of each one of them.

Additionally, we relax some restrictions that the real calculator has. The RLM-11C has up to 1000 program steps, an unlimited nested subroutines, no storage registers to program step conversion and 10 control flags.

Since the RLM-11C is, basically, a full simulation of the real HP-11C, we strongly recommend that you obtain the original calculator Owner’s Manual available in internet and review all the help topics buttons in the list on the left to have an explanation and examples of each subject.

This Help View keeps a record of the topics viewed. At any time you can get back to the previous selected topic by pressing the  button.

To close the Help View and get back to the RLM-11C main view interface, touch the  button below.

Press any of the help topic buttons at the left to show an explanation of each subject.

For further information and support go to...

www.rlmttools.com

or send an email to...

support@rlmttools.com

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