



| Model   | Code Name   | RAM  | Expansion | Processor |
|---------|-------------|------|-----------|-----------|
| HP-48G  | Alcuin      | 32K  | N         | 4Mhz      |
| HP-48G+ | Plus        | 128K | N         | 4Mhz      |
| HP-48GX | Hammer      | 128K | Y         | 4Mhz      |
| HP-48S  | Shorty      | 32K  | N         | 2Mhz      |
| HP-48SX | Charlemagne | 32K  | Y         | 2Mhz      |

|                |         |
|----------------|---------|
| Keys           | 49      |
| Batteries      | 3 x AAA |
| External power | No      |
| Self test      | ON+E    |

## Test

- Press ON and E at the same time to start the self-test. This loops the following: Processor Speed test, Disp test, IROM, IRAM. When the test is completed you will see **OK-48**. Press ON and C to reset the calculator and terminate the test.
- Press ON and D to initiate the system test menu. Then press E to start the keyboard test. You will see a prompt that says KBD1. Press each key left to right, top to bottom starting with A B C D E F G H... and ending with SPC +. Follow **KBD1 OK** with ON and C to reset the calculator and terminate the test. If pressed out of order, terminate and restart the key test.
- Press ON and D then EVAL. This starts the IR Loop back test. Follow **IRLB OK** with ON+C to terminate test.

## Inspect

- Front is scratch/dent free. (very limited wear)
- Screen is not bruised or damaged. (may have some use)
- Open battery compartment. Insert/remove batteries and check connections for clean contacts (little or no white or green corrosion).
- Reverse is clean and scratch free.
- All 4 rubber feet present.
- Visually check for 4 straight serial pins.