

## Key Codes


Because the older calculators could only display numbers, each key was assigned a code so that the programs could be read. The code was simple - each number represented either:

- The row and column on the keyboard. For example, the Enter key on the HP-65 would be code 41. All codes that don't start with 0 obey this rule. On the HP-97, keys on the right keypad were given codes beginning with -.
- A number. All codes starting with 0 represent the corresponding number. For example 04 means the 4 key.

The HP-55 had an exception to the above rules. GTO was displayed as a dash (-) thus GTO 25 would display at -25.

The HP-9100A & B don't use this convention. They list their keycodes on the pull-out reference card in their bases. If your card is missing, the keys are: (\* marks codes/keys found only on the HP 9100B. Each of these codes can represent two functions which is determined by context. i.e. a 77 after a GO TO is a Sub not a Return.)

| Code | Key | Code | Key        | Code | Key         | Code | Key                 |
|------|-----|------|------------|------|-------------|------|---------------------|
| 00   | 0   | 20   | Clear      | 40   | y->()       | 60   | Acc+                |
| 01   | 1   | 21   | .          | 41   | Stop        | 61   | Rcl                 |
| 02   | 2   | 22   | Roll up    | 42   | Fmt         | 62   | To Polar            |
| 03   | 3   | 23   | x->()      | 43   | If Flag     | 63   | Acc-                |
| 04   | 4   | 24   | y<>()      | 44   | Go To () () | 64   | Int x               |
| 05   | 5   | 25   | drop       | 45   | Print/Space | 65   | Ln x                |
| 06   | 6   | 26   | Enter Exp  | 46   | End         | 66   | To Rect             |
| 07   | 7   | 27   | Enter (up) | 47   | Continue    | 67   | Hyper or<br>x <-()* |
| 10   | 8   | 30   | x<>y       | 50   | If x = y    | 70   | Sin x               |
| 11   | 9   | 31   | Roll dn    | 51   |             | 71   | Tan x               |
| 12   | e   | 32   | Chg Sign   | 52   | If x<y      | 72   | Arc                 |
| 13   | a   | 33   | +          | 53   | If x>y      | 73   | Cos x               |
| 14   | b   | 34   | -          | 54   | Set Flag    | 74   | e <sup>x</sup>      |
| 15   | f   | 35   | ÷          | 55   | y           | 75   | Log x               |
| 16   | c   | 36   | x          | 56   | PI          | 76   | Sqrt                |
| 17   | d   | 37   | Clear x    | 57   | Pause       | 77   | Sub* or<br>Return*  |

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