HP-25C Quick Reference

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Memory & Display

Memory	7 storage registers, 50 program steps Nonvolatile memory for programs and storage registers. Display mode and stack contents are not preserved!
FIX n	Select fixed point format with n decimal digits
SCI n	Select exponential format with n decimal digits
ENG n	Select exponential format where the exponent is always a multiple of 3. Note that 3 digits are always displayed and n is the number of additional digits

Clearing Data

CLX	Clear X register
CLEAR STK	Clear stack
CLEAR REG	Clear registers
CLEAR PRGM	Clear program in PRGM mode
CLEAR PREFIX	Clear "f" or "g" prefix key

Storage & Functions

STO 0..7	Store X in register
STO +-x÷ 0..7	Storage arithmetic: Register OP X → Register
RCL 0..7	Recall register into X. Recall arithmetic is not supported
DEG	Trigonometric mode degrees (360, default)
RAD	Trigonometric mode radians (2π)
GRD	Trigonometric mode grad (400)
y^x	Y to the power of X. Y must be positive
→ H	Convert `h.mmss` to fractional hours
→ H.MS	Convert fractional hours to `h.mmss` format
→ R	Convert polar coordinates (X=r, Y=θ) to orthogonal coordinates
→ P	Convert orthogonal coordinates to polar coordinates (X=r, Y=θ)
%	Calculate X percent of Y. The stack doesn't drop!

Statistics

Memory	Statistics registers: R3=n R4=Σy R5=Σxy R6=Σx^2 R7=Σx
$\Sigma +$	Add X & Y to the sum registers and increment n
$\Sigma -$	Substract X & Y from the sum registers and decrement n
$\bar{x}$	Calculate mean of X values – mean of Y is not calculated!
s	Calculate standard deviation of X values: s=SQRT[{nΣx^2 – (Σx)^2} / {n(n-1)}]

Programming

Memory	Maximum 50 program steps
PRGM/RUN	Use this switch to select program entry or run mode
Key codes	Together with the program counter the row/column key codes are displayed. Prefix codes are merged
GTO nn	Jump to program line nn. Subroutine calls are not supported
GTO 00	PRGM mode: Sets program counter to 0 and stops program execution RUN mode: Sets program counter to 0
SST	PRGM mode: Step forward thru program memory RUN mode: Briefly display next instruction while key is held down then execute instruction
BST	PRGM mode: Step backward thru program memory RUN mode: Set program counter back to the previous instruction and display it as long as key is held down. Doesn't execute any code
Program editing	Not supported! Only overwriting instructions is possible. Use GTO to branch to modified code
PAUSE	Halts program for about 1 sec and displays the X register
Comparisn	These relational operators are available: $X<0$ $\quad$ $X\geq0$ $\quad$ $X\neq0$ $\quad$ $X=0$ $X<Y$ $\quad$ $X\geq Y$ $\quad$ $X\neq Y$ $\quad$ $X=Y$ If the relation is true the next program step is executed. If the relation is not true the next program step is skipped.