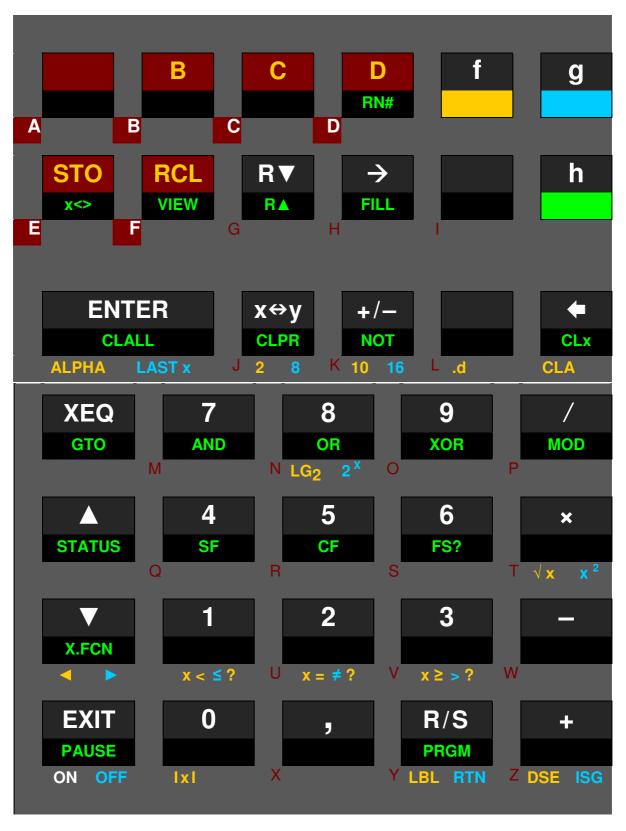


Keyboard layout:

- CPX may be combined with +, -, x, /, \pm , x^2, \sqrt{x} , 1/x, //, !, Γ , π , IxI, RND, as well as e.g. (HYP) SIN, COS, TAN, logs and their inverses. See the index for more.
- Modes are H.MS, 2, 8, 10, 16, .d, b/c, FIX, SCI, ENG, DEG, RAD, GRAD.
- → is combined with H, H.MS, DEG, RAD, GRAD, 2, 8, 10, 16 for conversions.
- The keys B, C, and D immediately call the respective user programs if existent.



Active operations in hexadecimal mode. is for addressing only (see below). The primary functions of the top left 6 keys are numeric input, so their default primary functions are accessed using f-shift. — In the other integer modes, the active keyboard will look alike, but the primary functions of the top left 6 keys will stay as they are in DECM.

ASTO	B b C	C D	f d	g h
ENTE	R x	⇔y +	/_	+
CLALL		_PR		
ALPHA LA	ST x J	j K	k L 1	CLA
XEQ	7	8	9	/
GTO	14	Al m		0 "
	M m	N n	0 0	Р р
	4	<i>5</i>	<i>6</i>	×
STATUS	SF	CF	FS?	π
	Q q	R r	S s	T t
	1	2	3	_
X.FCN				%
		U u	V v	W w
EXIT	0	,	R/S	+
PAUSE	SHOW	•/,	PRGM	%
ON OFF		X x	Y y	Z z

Active operations in <u>alpha</u> mode. \rightarrow is for addressing only (see below). The primary function of most keys will be inserting a letter. The basic arithmetic keys, Σ , π , %, and "!" will do so, too. To reach the default primary functions, f-shift will be necessary wherever a letter stands next to a key. **PAUSE** will insert a space.

ADDRESSING REGISTERS

1	User input	x=? or any of the other comparisons			RCL, STO, VIEW, x\(\times\), DSE, ISG, DSZ, ISZ, SF, CF, FS? etc., FIX, SCI, ENG, SB# and the other commands of type#		
	Display		P_ (e.g. x > Alpha mode is set		OP (e.g. RCL)		
2	User input 1	0 or 1	Y , Z , T , or L	ENTER†	ENTER↑ ²	Number of register or flag or bit or decimals ³	→
	Display	OP 0	OP x	OP r_	OPs_	OP nn	OP → _
		e.g. x	e.g. x ≤ Ø e.g. x ≥ y		Alpha mode is set.	e.g. <mark>SF 15</mark>	
						(indirect	addressing)
3	User input			Register no. ³	X , Y , Z , T , or L	ENTER +	Register number ³
	Display		Compare x with	OP r nn	OP s x	OP →s_	OP o nn
			the number in register 23 .	e.g. x ≠ r23	e.g. STO sZ	Alpha mode is set.	e.g. <mark>SCI →03</mark>
4	User input	Store x on stack level z .				X , Y , Z , T , or L	Choose scientific number
	Display	register where LASTx i			Show the content of the register where LASTx is pointing to.	OP →s x e.g. VIEW →sL	display with the number of decimals specified in register 03 .

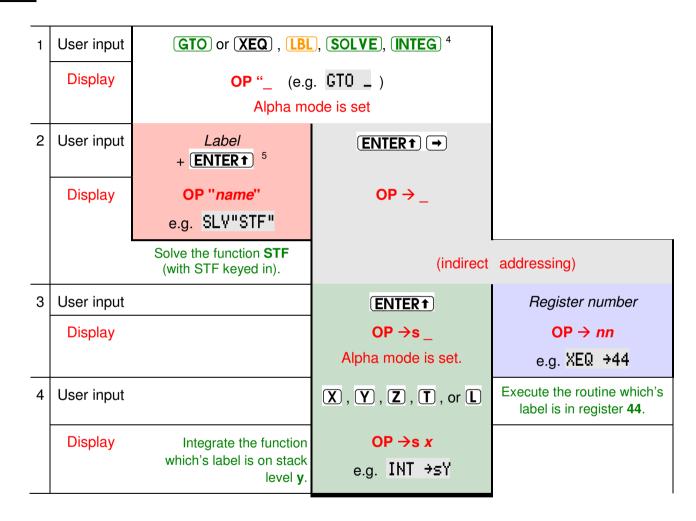
 $^{^1\,}$ For **RCL** and **STO**, an arithmetic operator (+, -, ×, / , ^) may precede step 2.

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² For **RCL**, **STO**, **VIEW**, and **x**<> only.

Register and flag numbers may be ① ① ... ⑨ ⑨, bit numbers ① ① ... ⑥ ④, number of decimals ① ... ⑨ . For numbers <10, you may key in e.g. ⑤ ENTER to instead of ② ⑤ .

ADDRESSING LABELS



⁴ **SOLVE** and **INTEG** will be displayed as SLV and INT, respectively. No indirect addressing with **LBL**.

⁵ A label may consist of up to 3 alphanumeric characters. **ENTER** is only needed if less than 3 characters are entered.

INDICATORS

There are a number of indicators signaling the mode the calculator is running in.

Indicator	INPUT a	b	d	h	8	STO PRG
Set by operation	AON ENTER X.FCN	BINM	IDECM	HEXM	ОСТМ	PRGON
Cleared by operation	AOFF ENTER	DECM FRACM HEXM IDECM OCTM	BINM DECM FRACM HEXM OCTM	BINM DECM FRACM IDECM OCTM	BINM DECM FRACM HEXM IDECM	PRGOFF

Indicator	360	g	HMS	RAD	/ c
Set by operation	DEG	GRAD	HMSM >HMS TIMER	RAD ACOSH ASINH ATANH	FRACM, 2 nd in input (\HMS)
Cleared by operation	GRAD RAD ACOSH ASINH ATANH	DEG RAD ACOSH ASINH ATANH >HR	DECM >HR	DEG GRAD >HR	BINM DECM IDECM HEXM OCTM

INPUT, STO, 360, and RAD are annunciators. Outside integer modes, everything else is indicated in the text line. An active timer application is signaled by T, the different date modes by D.MY or M.DY. Defaults Y.MD and DECM are not indicated.

Within integer modes, word size and complement setting are shown in the text line. The exponent is used for the further indications: its first digit shows the base, a "c" signals a carry bit set, an "o" an overflow.

INDEX OF OPERATIONS

This lists all functions available on the 34S with the necessary keystrokes. Functions accessible via X.FCN will show up with their name unless specified differently explicitly. Generally, the operations will work like on the HP-42S, special bit and integer functions like on the HP-16C. Functions available here for the first time on an RPN calculator are highlighted. If no parameters are specified though required, they will be taken from the stack. Modes are abbreviated by their indicators. There, a backslash stands for "all but", so e.g. ABS works in all modes but alpha.

Name	Keys to press	Works in modes	Remarks
A F	A etc.	h	The top left 6 keys will work for numeric input in hexadecimal mode by default.
ABS	f [xl]	\a	CPX (1) (Ix) calculates $\sqrt{x^2 + y^2}$.
ACOS	g COS-1	DECM, H.MS	
ACOSH	g HYP-1 COS	DECM	
AIP	h X.FCN AIP	∖a	
ALL	h X.FCN ALL	DECM	
ALENG	h X.FCN ALENG	∖a	
AND	h AND	b, 8, d, h	
AOFF	(ALPHA)	a	
7011	ENTER 1	u	Toggles alpha mode.
AON	ALPHA	\a	
AON	ENTER 1	*)	*) Please see the table for register addressing above for details.
ARCL	RCL reg	а	See opportunities for <i>reg</i> in the table above.
AROT	N X.FCN AROT	∖a	
ASHF	N X.FCN ASHF	All	
ASIN	g SIN-1	DECM, H.MS	
ASINH	g HYP-1 SIN	DECM	
ASR	h X.FCN ASR	b, 8, d, h	Shifts x right 1 bit like in HP-16C.
ASR#	h X.FCN ASR# n	b, 8, d, h	Will work like <i>n</i> consecutive ASRs. See the opportunities for <i>n</i> in the table above.

Name	Keys to press	Works in modes	Remarks
ASRN	h X.FCN ASRn	b, 8, d, h	Shifts y right lxl bits.
ASTO	STO reg	а	See opportunities for <i>reg</i> in the table above.
ATAN	g TAN-1	DECM, H.MS	
ATANH	g HYP-1 TAN	DECM	
ATOX	h X.FCN A→X	\a	
A)//F)A/	h SHOW	а	Or h VIEW
AVIEW	h X.FCN AVIEW	\a	
Α0	h L.R.	DECM	Calculates the parameters of the fit curve (through the data points accumulated) according to the model selected. In the
A1	h L.R. x₹y	220	linear model, A0 is the intercept and A1 the slope of the regression line.
BASE+	+		
BASE-	-		
BASE×	×	b, 8, d, h	
BASE/			
BASE+/-	+/_		
BC?	h X.FCN BC?	b, 8, d, h	Works in analogy to BS?.
BC?#	h X.FCN BC?# n	b, 8, d, h	Tests the <i>n</i> -th bit in x . See the opportunities for <i>n</i> in the table above.
BETA	h X.FCN β(x,y)	DECM	Calculates Euler's Beta function.
BINM	f 2	\a	Sets binary integer mode.
BITS	h X.FCN BITS	b, 8, d, h	Counts bits set like #B on HP-16C.
BST	Δ	PRG	Go 1 step back in program memory.
		∖PRG	Go 1 step back without executing this step.
BS?	h X.FCN BS?	b, 8, d, h	Works like B? in HP-16C.
BS?#	h X.FCN BS?# n	b, 8, d, h	Works in analogy to BC?#.

Name	Keys to press	Works in modes	Remarks
CAPP	h X.FCN CAPP char	All	Switches to alpha mode for the input of 1 char, appends this to the alpha register, and returns to the mode set before. Eventually, this equals the sequence AON <i>char</i> AOFF.
СВ	h X.FCN CB	b, 8, d, h	Clears the x -th bit in y like in HP-16C.
CB#	h X.FCN CB# n	b, 8, d, h	Clears the <i>n</i> -th bit in x . See the opportunities for <i>n</i> in the table above.
CEIL	h X.FCN CEIL	DECM	Computes largest integer ≤ x .
CF	h CF n	All	See opportunities for n in the table above.
CHS	+/ _	\a	CPX +/_ changes signs of x and y.
CLA	f CLA	All	Clears the alpha register.
CLALL	h CLALL	∖PRG	Global clear after confirmation.
CLPR	h CLPR	PRG	Clears current program after confirmation.
CLRG	h X.FCN CLRG	All	Clears all general purpose registers.
CLSTK	O h FILL	All	
CLX	h CLx	All	CPX h CLx clears x and y.
CLΣ	h CLΣ	DECM	
СОМВ	f Cx.y	DECM	
COMPLEX	<u>CPX</u>	DECM	Indicates complex operations, acting on \boldsymbol{x} and \boldsymbol{y} , where \boldsymbol{x} contains the real part and \boldsymbol{y} the imaginary of the complex number. This key may be combined with any function which's name is printed in italics in this table.
CONJ	h CONJ	DECM	Changes the sign of y .
CORR	gr	DECM	
cos	f cos	DECM, H.MS	
COSH	f HYP COS	DECM	
DATE	h X.FCN DATE	DECM	Adds a number of days in x on a date in y and displays the resulting date including the respective weekday (Sunday = 7). This function works like in HP-12C.

Name	Keys to press	Works in modes	Remarks
DDAYS	h X.FCN ΔDAYS	DECM	Calculates the number of days between 2 dates \boldsymbol{x} and \boldsymbol{y} . Function works like in 12C.
DECM	f .d	∖a	H.MS data in x will be converted to decimal.
DEG	g DEG	DECM	
DENMAX	h X.FCN /c n	DECM	Sets the maximum denominator for fractions.
DSE	f DSE reg	PRG	See opportunities for <i>reg</i> in the table above.
DSZ	h X.FCN DSZ	PRG	
D.MY	h X.FCN D.MY	DECM	Sets the format for date calculations.
D→R	h X.FCN D→R	DECM	Assumes x containing radians and converts them to degrees. Mode is kept constant.
EEX	E	DECM	
EMGAM	h X.FCN γ	DECM	Recalls the Euler-Mascheroni constant.
ENG	f ENG n	DECM	See opportunities for <i>n</i> in the table above.
ENTER↑	ENTER+	All	
EXIT	EXIT	All	Exits X.FCN and any other menus or functions with pending input.
EXPF	h X.FCN EXPF	DECM	Selects the exponential curve fit model.
E↑X	g ex	DECM	
FB	h X.FCN FB	b, 8, d, h	Inverts ("flips") the x-th bit in y.
FB#	h X.FCN FB# n	b, 8, d, h	Flips the <i>n</i> -th bit in x . See the opportunities for <i>n</i> in the table above.
FCSTX	h X.FCN x^	DECM	FCSTX (FCSTY) predicts x (y) for a given y
FCSTY	f ŷ	DECM	(x) according to the curve fit model chosen. See A0 and A1 for more.
FC?	h X.FCN FC? n	All	Con apportunition for n in the table above
FC?C	h X.FCN FC?C n	All	See opportunities for <i>n</i> in the table above.
FF	h X.FCN FF n	All	Inverts ("flips") the flag specified. See the opportunities for <i>n</i> in the table above.
FILL	h FILL	All	Copies x in y, z, and t.

Name	Keys to press	Works in modes	Remarks
FIX	f FIX n	DECM	See opportunities for n in the table above.
FLOAT	f .d	\a	Works like DECM.
FLOOR	h X.FCN FLOOR	DECM	Computes the smallest integer ≥ x.
FP	g FP	DECM	
FRACM	g b/c	DECM	Sets fraction mode like in HP-32SII.
FS?	h FS? n	All	See opportunities for n in the table above.
FS?C	h X.FCN FS?C n	All	See opportunities for It in the table above.
GAMMA	h X.FCN Γ(x)	DECM	
GRAD	g GRAD	DECM	
GSB	h XEQ label	PRG	Works like XEQ.
	h GTO label	PRG \PRG	
GTO	h GTO . label		Like in HP32S
	h GTO	· \PRG	
HEXM	g 16	\a	Sets hexadecimal integer mode.
HMSM	g H.MS	DECM	Sets H.MS mode.
HMS+	+	H.MS	
HMS-		H.MS	
IDECM	f 10	∖a	Sets integer decimal mode.
INTEG	h INTEG label	DECM	Parameters will be transferred like in 15C.
IP	f P	DECM	
ISG	g ISG reg	PRG	See opportunities for <i>reg</i> in the table above.
ISZ	h (X.FCN) ISZ	PRG	
LASTX	g LASTx	All	CPX COLLASTX recalls x and y.
LBL	f LBL label	PRG	

Name	Keys to press	Works in modes	Remarks
LINF	h X.FCN LINF	DECM	Selects the linear curve fit model.
LJ	h X.FCN LJ	b, 8, d, h	
LN	f LN	DECM	
LNBETA	h X.FCN LN(β)	DECM	Calculates the logarithm of BETA or
LNGAMMA	h X.FCN LN(Γ)	BLOW	GAMMA, respectively. See these functions.
LOG	f LOG	DECM	
LOGF	h X.FCN LOGF	DECM	Selects the logarithmic curve fit model.
LOGY	f LGy	DECM	Calculates the logarithm for base y .
LOG2	f LG2	\a	Calculates the logarithm for base 2.
MASKL	h X.FCN MASKL	b, 8, d, h	
MASKL#	MASKL# n	b, 8, d, h	See opportunities for <i>n</i> in the table above.
MASKR	N X.FCN MASKR	b, 8, d, h	
MASKR#	MASKR# n	b, 8, d, h	See opportunities for <i>n</i> in the table above.
MAX	h X.FCN MAX	∖a	Returns the maximum of x and y .
MEAN	f x	DECM	
MIN	h X.FCN MIN	\a	Returns the minimum of x and y .
MIRROR	h X.FCN MIRROR	b, 8, d, h	Reflects bit patterns (e.g. 000101 → 101000)
MOD	h MOD	\a	
M.DY	h X.FCN M.DY	DECM	Sets the format for date calculations.
N	h X.FCN N	DECM	Recalls the number of data points accumulated. Necessary for basic statistics.
NAND	h X.FCN NAND	b, 8, d, h	
NOP	h X.FCN NOP	PRG	
NOR	h X.FCN NOR	b, 8, d, h	

Name	Keys to press	Works in modes	Remarks
NOT	h NOT	b, 8, d, h	
остм	g 8	\a	Sets octal integer mode.
OFF	g OFF	∖PRG	
OII	h X.FCN OFF	PRG	
ON	ON	Calc. off	
ON	h X.FCN ON	PRG	
OR	h OR	b, 8, d, h	
PAUSE	h (PAUSE)	PRG	
PERM	g Py,x	DECM	
PGOFF	h PRGM	PRG	Toggles programming mode.
PGON		∖PRG	roggies programming mode.
PI	hπ	DECM	CPX \mathbf{h} $\mathbf{\pi}$ puts π in \mathbf{y} and clears \mathbf{x} .
,,	D	DECM	As long as no reassignment took place.
PROMPT	h X.FCN PROMPT	PRG	
PWRF	h X.FCN PWRF	DECM	Selects the power curve fit model.
QZ	f Qz	DECM	Like in HP-32E and HP-21S
RAD	g RAD	DECM	
RAND	h RN#	∖a	
RCL	RCL reg	\h, \a	See RCL+ for more details.
HOL	RCL reg	h	
RCLWS	h X.FCN RCLWS	b, 8, d, h	Recalls the word size set.
RCL+	RCL + reg		
RCL-	RCL - reg	\h, \a (needs	See opportunities for <i>reg</i> in the table above.
RCL×	RCL x reg	in hex mode)	CPX RCL recalls the register specified and the next adjacent register to x and y .
RCL/	RCL / reg		

Name	Keys to press	Works in modes	Remarks
RDN	R↓	All	
RDX,		DECM	Taggles radiv mark
RDX.	h ./,	DECIM	Toggles radix mark.
REAL	f .d	∖a	Works like DECM.
RJ	h X.FCN RJ	b, 8, d, h	Works in analogy to LJ.
RL	h X.FCN RL	b, 8, d, h	
RL#	h X.FCN RL# n	b, 8, d, h	Will work like <i>n</i> consecutive RLs. See the opportunities for <i>n</i> in the table above.
RLC	h X.FCN RLC	b, 8, d, h	
RLC#	h X.FCN RLC# n	b, 8, d, h	Will work like <i>n</i> consecutive RLCs. See the opportunities for <i>n</i> in the table above.
RLCN	h X.FCN RLCn	b, 8, d, h	
RLN	h X.FCN RLn	b, 8, d, h	
RND	g RND	DECM	
RR	h X.FCN RR	b, 8, d, h	
RR#	h X.FCN RR# n	b, 8, d, h	Will work like <i>n</i> consecutive RRs. See the opportunities for <i>n</i> in the table above.
RRC	h X.FCN RRC	b, 8, d, h	
RRC#	h X.FCN RRC# n	b, 8, d, h	Will work like <i>n</i> consecutive RRCs. See the opportunities for <i>n</i> in the table above.
RRCN	h X.FCN RRCn	b, 8, d, h	
RRN	h X.FCN RRn	b, 8, d, h	
RTN	g RTN	PRG	
RUP	h Rt	All	
R/S	R/S	\PRG, \T	
		Т	Starts/stops incrementing the timer. Assumes x containing degrees and
R→D	h X.FCN R→D	DECM	converts them to radians. Mode is kept constant.
SB	h X.FCN SB	b, 8, d, h	

Name	Keys to press	Works in modes	Remarks
SB#	h X.FCN SB# n	b, 8, d, h	See opportunities for <i>n</i> in the table above.
SCI	f SCI n	DECM	See opportunities for n in the table above.
SDEV	gs	DECM	
SERR	h X.FCN SERR	DECM	Calculates $\frac{SDEV}{\sqrt{N}}$.
SEED	STO h RN#	DECM	
SF	h SF n	All	See opportunities for n in the table above.
SGMNT	h X.FCN SGMNT	All	Sets sign-and-mantissa mode for integers.
SHOW	h (SHOW)	DECM	Shows the full mantissa.
SHOW	h (SHOW)	а	Shows the alpha register.
SIGMA	h X.FCN σ	DECM	Calculates $SDEV \cdot \sqrt{\frac{N}{N-1}}$.
SIN	f SIN	DECM, H.MS	
SINH	f HYP SIN	DECM	
SL	h X.FCN SL	b, 8, d, h	
SL#	h X.FCN SL# n	b, 8, d, h	Will work like <i>n</i> consecutive SLs. See the opportunities for <i>n</i> in the table above.
SLN	h X.FCN SLn	b, 8, d, h	Shifts y left l x l bits.
SOLVE	h SOLVE label	DECM	
SQRT	f (x	\a	
SR	h X.FCN SR	b, 8, d, h	
SR#	h X.FCN SR# n	b, 8, d, h	Will work like <i>n</i> consecutive SRs. See the opportunities for <i>n</i> in the table above.
SRN	h X.FCN SRn	b, 8, d, h	Shifts y right I x I bits.
SST		PRG	Go 1 step forward in program memory.
		∖PRG	Go 1 step forward executing this step.
STATUS	h (STATUS)	All	

Name	Keys to press	Works in modes	Remarks
STO	STO reg	\h, \a	See STO+ for more details.
	STO reg	h	
STOP	R/S	PRG	
STO+	STO + reg		
STO-	STO - reg	\h, \a (needs	See opportunities for reg in the table above. CPX STO stores x and y into the
STO×	STO x reg	in hex mode)	register specified and the next adjacent register.
STO/	STO / reg	,	
SUM	RCL Σ+	DECM	
TAN	f TAN	DECM, H.MS	
TANH	f HYP TAN	DECM	
TIMER	h TIMER reg	\T	Enters the timer application (sets indicator T, and HMS if not set yet). See opportunities for <i>reg</i> in the table above. Clears the register specified.
TIMEX	h TIMER	Т	Leaves the timer application (clears indicator T, but H.MS stays on).
UNDO	f UNDO	All	
UNSIGN	h X.FCN UNSIGN	All	
VIEW	h VIEW reg	All	See opportunities for <i>reg</i> in the table above.
W	h X.FCN W(x)	DECM	Calculates Lambert's W for a given x ≥ -1/e
WINV	h X.FCN W -1	DECM	Inverts W, i.e. calculates x for a given W (≥ -1) .
WMEAN	h X.FCN WMEAN	DECM	Calculates the weighted mean.
WSIZE	h X.FCN WSIZE	All	Sets the word size (up to 64 bits).
XEQ	XEQ label	PRG	Calls the respective subroutine.
		∖PRG	Executes the respective program.
XNOR	h X.FCN XNOR	b, 8, d, h	
XOR	h XOR	b, 8, d, h	

Name	Keys to press	Works in modes	Remarks
XTOA	h X.FCN X→A	\a	
X!	h !	DECM	
X.FCN	h X.FCN	DECM	Calls the catalog of extra real functions and sets alpha mode to allow for keying in names of operations. ▲ and ▼ browse the catalog. Choose the operation displayed by pressing ENTER ↑. CPX ↑ X.FCN calls the catalog of extra complex functions.
		b, 8, d, h	Calls the catalog of extra integer functions. See above for more.
X<>	h x≷ reg	All	See opportunities for <i>reg</i> in the table above. CPX
X<>Y	x≷y	All	Performs $\mathbf{Re} \iff \mathbf{Im}$ if a complex operation was executed before. $\mathbf{CPX} \ \mathbf{x} \ngeq \mathbf{y}$ will exchange \mathbf{x} and \mathbf{y} with \mathbf{z} and \mathbf{t} .
X< ?	f x arg</td <td></td> <td></td>		
X≤ ?	g x arg</td <td></td> <td></td>		
X= ?	x = ? arg	\a	See opportunities for <i>arg</i> in the table above.
X≠ ?	g x ≠ ? arg		
X≥ ?	f x≥? arg		
X> ?	g x>? arg		
X↑2	g <u>x</u> ²	∖a	
Y.MD	h X.FCN Y.MD	DECM	Sets the format for date calculations.
Y↑X	g <i>y</i> ^x	DECM	
YIX	C	DECM	As long as no reassignment took place.
ZETA	h X.FCN ζ(x)	DECM	Calculates Riemann's Zeta.
ZP	gzP	DECM	Like in \mathbf{Q}^{-1} in HP-32E and \mathbf{z}_{P} in HP-21S
0, 1	0,1	All	

Name	Keys to press	Works in modes	Remarks
2 7	27	/b	
8, 9	8,9	\b, \8	
1/X	f 1/x	DECM	
1/X	В	DECM	As long as no reassignment took place.
1CPL	h X.FCN 1CPL	All	Like 1's complement in HP-16C.
2CPL	h X.FCN 2CPL	All	Like 2's complement in HP-16C.
27X	g 2 *)	\a	
10↑X	g 10 ^x	DECM	
	,	DECM	Inserts the radix mark as selected.
[.] or [,]		а	Inserts a point if RDX., else a comma.
	h ./.	а	Inserts a comma if RDX., else a point.
[]or[/]	,	/c	
[°]	•	H.MS	
+	+		
_	-		
×	×	DECM	
/	$\overline{\mathbf{V}}$		
+/-	+ /_		
//	g ///	DECM	Calculates $\left(\frac{1}{x} + \frac{1}{y}\right)^{-1}$.
%	g %	DECM	
%CH	f △ %	DECM	
%+	h %+	DECM	Adds a markup of x % to y .
%-	h %-	DECM	Subtracts a discount of x % from y .
Σ+	Σ+	DECM	

Name	Keys to press	Works in modes	Remarks
Σ–	h Σ-	DECM	
ΣLNX	h X.FCN ΣLNX		Recalls the respective statistical sum. These sums are necessary for the other curve fitting models beyond pure linear. See
ΣLNXY	h X.FCN ΣLNXY		
ΣLNX2	h X.FCN ΣLNX ²	DECM	
ΣLNΥ	h X.FCN ΣLNY		below for more.
ΣLNY2	h X.FCN ΣLNY ²		
ΣΧ	h X.FCN ΣX	DECM	Recalls the respective statistical sum. These sums are necessary for basic statistics and linear curve fitting. Calling them by name greatly enhances readability of programs. These 11 statistical sums (in total) shall be stored in registers 88 through 99.
ΣΧΥ	h X.FCN ΣΧΥ		
ΣX2	h X.FCN ΣX ²		
ΣΥ	h X.FCN ΣΥ		
ΣΥ2	h X.FCN ΣΥ ²		
→BIN	→ f 2		Shows x in integer binary or decimal representation, respectively, until the next command is executed. Mode is kept constant.
→DEC	→ f 10	\a 	
→DEG	→ g DEG	DECM	Assumes x containing angles in current angular mode and converts them to degrees or gon, respectively. Mode is kept constant.
→GRAD	→ g GRAD		
→HEX	→ g 16	∖a	Works like →BIN, but hexadecimal.
→HMS	→ g H.MS	DECM	Assumes x containing <i>decimal</i> hours or degrees and converts them in the format HHH.MMSS.
→HR	→ f H	H.MS	Takes the hours or degrees in x and converts them into decimal numbers.
→OCT	→ g 8	∖a	Works like →BIN, but octal.
→POL	g P	DECM	Assumes \mathbf{x} and \mathbf{y} containing the coordinates \mathbf{x} and \mathbf{y} and converts them to \mathbf{r} and ϑ .
→RAD	→ g RAD	DECM, H.MS	Works like →DEG, but converts to radians.

Name	Keys to press	Works in modes	Remarks
→REC	f PR	DECM	Assumes \mathbf{x} and \mathbf{y} containing the coordinates \mathbf{r} and ϑ and converts them to \mathbf{x} and \mathbf{y} .
	f	b	Shift the display window like in HP-16C.
	g		Shift the display window like in this -100.

Functions on the waitlist (personal priorities given by W):

- 1. **SOLVE** (included in the index already but not implemented yet)
- 2. **TIMER** (accuracy down to 0.1s is sufficient, we can't press keys more precisely included in the index already but not implemented yet)
- 3. **INTEGRATE** (included in the index already but not implemented yet)
- 4. **T**, **CHISQ**, and **F** distributions (in this order) and their inverses (not in the index yet)
- 5. **Julian Calendar** calculations (not in the index yet)
- Euler's BETA function, Lambert's W and Riemann's ZETA LNBETA and LNGAMMA have even lower priority (included in the index already but may be dropped if bytes are needed)
- 7. Stranger additional flag and bit handling like **FC?C**, **BS?S**, etc. (doubt the use the user may program this if wanted)
- 8. $\mathbf{x}^{\mathbf{y}}$ (the user may reach this by pressing x<>y and y^x)
- 9. %T (i.e. y ENTER x / 100 *)

Edition	Date	Remarks
1	9.12.08	Start
1.1	15.12.08	Added the table of indicators; added NAND, NOR, XNOR, RCLWS, STOWS, //, N, SERR, SIGMA, < and >; deleted HR, INPUT, 2 flag commands, and 2 conversions; extended explanations for addressing and COMPLEX &; put XOR on the keyboard; corrected errors.
1.2	4.1.09	Added ASRN, CBC?, CBS?, CCB, SCB, FLOAT, MIRROR, SLN, SRN, >BIN, >DEC, >HEX, >OCT, BETA, D>R, DATE, DDAYS, D.MY, M.DY, Y.MD, CEIL, FLOOR, DSZ, ISZ, D>R, R>D, EMGAM, GSB, LNBETA, LNGAMMA, MAX, MIN, NOP, REAL, RJ, W and WINV, ZETA, %+ and %-; renamed the top left keys B, C, and D, and bottom left EXIT.
1.3	17.1.09	Added AIP, ALENG, ARCL, AROT, ASHF, ASTO, ATOX, XTOA, AVIEW, CLA, PROMPT (all taken from 42S), CAPP, FC?C, FS?C, SGMNT, and the# commands; renamed NBITS to BITS and STOWS to WSIZE; specified the bit commands closer; deleted the 4 carry bit operations.