

Kpcalc user manual


Num Lock	[F5] /	[F4] *	[F3] —
	mod "—"		
7	8 "E"	9 C	
% x^y sin	%o n! tan	$\log_2 2^x$ sec	
4 arc• •h	5 •co• at2	6 $\frac{\text{dec}}{\text{hex}}$ \leftrightarrow 0x	
$\frac{1}{x}$ $\frac{\text{rad}}{\text{deg}}$ x^{-1}	\sqrt{x} x^2 $\frac{x}{2}$	$\sqrt[3]{x}$ x^3 $\frac{x}{3}$	+ [F2]
1 $1-x$ $x+1$	2 e $2x$	3 π $3x$	
	$-x$		
0	ANS	. [F1]	=

Scientific mode functions currently supported:

Dot, +, -, * and / keys, when pressed and released quickly, work as expected. Once one of them is pressed and held it acts as a modifier. There are 5 modifiers activating different functions when pressing number keys. If the keyboard does not have a numeric keypad, F1-F5 keys can be used instead.

- mod = modulo operation, calculates remainder of a division by pressing both (/ 8)
- "E" and "-" are used to enter a number in scientific notation, for example: 1.5e-12 (- 8)
- Backspace <= is used to remove last digit of the number currently being entered (- 9)
- C = "clear" clears the state of the calculator (+ 9)
- $x*y$ is power (* 4)
- sin calculates sine function (- 4)
- n! calculates factorial (* 5)
- tan calculates the tangent function (- 5)

- \log_2 calculates the logarithm base 2 (/ 6)
- 2^x calculates the 2 to the power of x (* 6)
- $\text{atan2}(x, y)$ calculates arctangent, taking two sides (+ 5)
- [dec/hex] selects between scientific mode and hexadecimal mode (. 6)
- $\text{hex} \rightarrow \text{dec}$ shows the hexadecimal representation of a number while staying in sci mode (+ 6)
- $1/x$ calculates one over x (/ 1)
- [rad/deg] selects between radians and degrees modes used in trig functions (* 1)
- $x - 1$ decrements the number (- 1)
- $\sqrt{}$ function is accessible using (/ 2)
- x^2 = square a number by pressing (* 2)
- $x/2$ divide number by two (- 2)
- cube root is activated by pressing (/ 3)
- $x/3$ is activated by pressing (- 3) simultaneously
- $1-x$ is activated by pressing (. 1)
- $x+1$ increment a number by pressing (+ 1)
- e constant = 2.7182... available by pressing (. 2)
- $2x$ double the number by pressing (+ 2)
- π constant = 3.14159... available by pressing (. 3)
- $3x$ triple the number by pressing (+ 3)

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	mod "—" 		[F2] +
7	8 "E"	9 C	
% x^y ~	% n! tan	$\log_2 2^x$ sec	
4 e xor	5 f	6 $\frac{\text{dec}}{\text{hex}}$ \leftrightarrow 0x	
& $x-1$	\sqrt{x} x^2 >>	$\sqrt[3]{x}$ x^3 $\frac{x}{3}$	
1 b $x+1$	2 c <<	3 d 3x	
$-x$			
0 a	ANS	[F1] .	=

Hex mode allows entering not just numbers, but letters from a to f by pressing dot (or F1) and the corresponding number from 0 for a to 5 for f. Hexadecimal numbers are prefixed by 0x.

- xor is activated by pressing simultaneously dot (or F1) and 4 keys: (. 4)
- or is activated by pressing (/ 1)
- and is activated by pressing (* 1)