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NiceCalc3™

User's Guide

NiceCalc3
NiceCalc3 Lite



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Introduction

We appreciate your interest in NiceCalc3 application.

NiceCalc3 was specially designed for convergent devices powered by Symbian™ OS. This application helps you to turn your handheld into a powerful scientific calculator. Main purpose of the NiceCalc3 is to present handiest interface with variety of computing functions.

Main advantage over the rest of S60 calculators is that NiceCalc3 combines fast "just-one-click" interface with broad set of functions. It was designed as a tool that is convenient for both elementary and scientific calculations. For demonstration of the NiceCalc's usability advantages just examine the following examples:



The expression " $\sin^2(60) + \cos^2(60)$ " can be calculated using NiceCalc3 in 14 keystrokes. Some well-known and popular S60 3rd party calculator forces you to press 36 buttons to do the same.

One more example: " $2 \cdot (-3) + 4$ ".

It's just 7 clicks on NiceCalc3 and 16 clicks on the standard calculator...

Updated NiceCalc3 includes "scientific" computation mode which follow algebraic operations priority.

As an example, in "standard" mode calculation of the " $2 + 2 * 2$ " expression will result to "8" but in "scientific" mode this will be equal to "6" according to operations precedence. In "scientific" mode pressing of the "=" button means end of expression input.

New version of the NiceCalc3 application was designed considering User's ideas and wishes as well as constructive critics in address of the previous releases.

Application was designed following the non-intervention approach to the usual mobile handheld usage policies.





Application's compatibility

The program is compatible with mobile devices under Symbian™ OS management with v.9.x and S60™ and UIQ™ interfaces supporting 176x208, 208x208, 320x240, 240x320, 352x416, 352x800 pixels screen resolution with a minimum of 4096 color spectrum.

To obtain full information about devices compatibility (including device indexes), please refer to developer's official web-site: <http://very-soft.com>.

Downloading and Installation/Uninstallation of the application

You can download NiceCalc3 as follows:

- Using WAP-links from mobile contents distributors through any of existent communication channels (CSD, GPRS, MMS, Wi-Fi, etc.);
- Using PC or any other handheld device with NiceCalc3 distributive on it and through IR-, Bluetooth connection or through special cable (data-cable);
- Using flash card adapter that can write data on your mobile phone flash-card.

Attention

To avoid penetration of your mobile handheld by virus and other malicious software DO NOT COPY OR INSTALL applications hosted on UNTRUSTED web sites or sent to you by unknown persons. We recommend to download NiceCalc3 and other VerySoft programs from official web-site: <http://very-soft.com>

To install the application run "NiceCalc3.v.1.0.sis" file that was saved in the "Messaging" folder or in any other that was indicated before. Answer to the questions of installation dialog to end the setup process. If you have any troubles or errors while installation, please, refer to "Application's compatibility" chapter or to the "Frequently asking question and troubleshooting" section on the official web site or forum. Full information about addresses and contacts you can find in "Support and Contacts" chapter.

Attention

Please read carefully program's "License Agreement" which will be displayed on the screen of your mobile handheld while installation process.

If you are not agreed with license conditions you must cancel the installation and delete all application copies from available storages.

You can mail all your complaints and suggestions for licensing conditions modification and corresponding juridical basis to: support@very-soft.com

Full text of the license can be found in the "License Agreement" chapter.

To uninstall the application close the NiceCalc3 through "**Exit**" or "**Close**" item in the "Options" menu. Open the standard "Application Manager" and choose NiceCalc3. Then press "uninstall" option to erase the program.



To uninstall NiceCalc3 from the UIQ™ powered smartphones it needs to open standard “Uninstall” application, select NiceCalc3 and proceed with dialog completion.

NiceCalc3 registration

Registration mode is accessible only after installing the application on the smartphone. Without registration application operates only 7 days in trial mode with different kind of limitations (optional). All information about applied limitations is accessible in the “Trial mode limitations” chapter.

You’ll need the IMEI number for registration procedures. It can be found by pressing *#06# on your smartphone’s keyboard or by entering “**About**” menu in the NiceCalc3 application.

After NiceCalc3 was installed you can activate it by pressing the appropriate icon in the menu. Possibly, the icon could be placed in special folder named as “**Applications**” or “**My own**”, please refer to the mobile handheld user’s guide to know about standard folders names and their locations.

To start the NiceCalc3 quickly you can relocate the icon in the main menu or create special link in the “Active desktop” menu as well as bind special button of a mobile device. If you want to do any of these actions but don’t know how-to, please refer to your smartphone user’s guide.

To register the NiceCalc3 open the application and go to “**Extra**” menu, then “**About**”, then press left soft-button with “**Options**” settings and open “**Registration**” item. Fulfill the spaces on the screen following the information below:

- In the “**Protection code**” field enter the digits listed after the phrase: “Enter this protection code:”
- In the “**Registration code**” field input the code received from the online store or from VerySoft Sales or Support departments.

Please restart the application after completing registration form.

If all procedures were done properly then “Unregistered” text message will disappear from the “About” screen.

After the successful registration you’ll be able to use fully functional software for the unlimited time period.

Attention

| If you are using freeware version of NiceCalc3 registration is not required.





Basic features of the NiceCalc3

The list of application's features and basic application parameters:

- Easy and quick "just-in-click" interface;
- Support of "simplified" form for binary operations;
- Double-precision of calculations up to 20 digits (Number of decimal symbols depends upon display width);
- Maximal positive number: $9.(999)E+99$;
- Minimal positive number: $1E-99$;
- Three modes of angle calculations: degrees, radians, grads;
- Indication of memory cell, current angle unit and function mode;
- Animation of keystrokes (to simplify navigation);
- Highlighting current calculation mode (functions/digits);
- Automatic rounding support;
- Clipboard support;
- Support computation abided by operations precedence;
- Supporting decimal, hexadecimal, octal and binary numeric systems;



There are two approaches realized in the NiceCalc3.

The logic of the standard computation is that operations with two operands (binary operations) that requires 2 arguments for calculating have the same priority, i.e. $[2] [+] [3] [*] [4] = 20$ and not 24 as it should be according to algebraic rules. This approach represents kind of standard for simple calculators. Operations with one argument (unary) have higher priority than operations with two arguments (binary). Thus, expression $[2] [+] [3] [x^2] = 11$, but $[2] [+] [3] [b^y] [2] = 25$, because of operations priority.

"Scientific" computation mode is that, it follows the operations precedence. Thus, mentioned expressions will be calculated as follows: $2 [+] 3 [*] 4 = 14$; $2 [+] 3 [x^2] = 11$ и $2 [+] 3 [x^y] [2] = 11$.

NiceCalc3 supports so-called "simplified" form of binary operations. For example, to compute $3 * 3$ on NiceCalc3, it's enough to enter $[3] [*] [=]$. To repeat the operation (i.e. multiply the result, 9, by 3), just press $[=]$ again, etc.



General principles of application management

To get acquainted with NiceCalc3 controls please select the chapter described management principles according to your mobile handheld interface type.

S60™ interface

After the installation process is over you can use all computing options of the NiceCalc3. To activate the application press on the icon in the main menu and wait while program starts.

To hide the NiceCalc3 and get access to main screen press **“Menu”** button.

If you want to change any application’s setting press left button - **“Options”** then select and modify a desirable item.

To close the application press left soft button (**“Options”**) and choose **“Exit”** item. Also you can quit the application through **“Menu”** that appears after long press on the “application” button then select NiceCalc3 and hit **“c”**.

Quickness of the calculations is provided by handy and intuitive measuring interface. It’s based on the two levels input system and usage of general smartphone’s buttons. To input digit or operation that depicted inside the button you can simply press the appropriate handheld device button.

You can edit default operations configuration and reassign them to new buttons. Please refer to **“Buttons configuration customization”** chapter.

Attention

| Certain functions are not accessible in the freeware version of NiceCalc3.

UIQ™ interface

After the installation process is over you can use all computing options of the NiceCalc3. To activate the application ones must press on the icon in the main menu and wait while program starts.

To hide the NiceCalc3 and get access to main screen on UIQ smartphones press **“Back”** button (with returning pointer).

If you want to change any application’s setting press right soft button - **“More”** key then select and modify a desirable item. If the smartphone has a flip and currently is in the “open - flip” mode then find the icon with list image and touch it to access **“Options”** menu.





To close the program press right soft button “**More**” and choose “**Close**” item. Also you can quit the application through standard application manager.

Quickness of the calculations is provided by handy and intuitive measuring interface. It’s based on the two levels input system and usage of general smartphone’s buttons. To input digit or operation that depicted inside the button you can simply press the appropriate handheld device button.

You can edit default operations configuration and reassign them to new buttons. Please refer to “Buttons configuration customization” chapter.

Attention

| Certain functions are not accessible in the freeware version of NiceCalc3.

List of special keys and activation

To get some information about application control with special buttons or touch screen pressings please select the chapter related to the type of user interface of your handheld.

S60™ interface

- “**Fn**” (right soft button) – switches between basic and subsidiary set of digits and functions.
- “**C**” (activates with “c” button) – clears display.

Attention

| Memory cell will not be cleared;

- “**CE**” (activates with right soft and red phone buttons press) -cancels last entered argument with opportunity to enter new one and continue calculations.

Attention

| Function will not be executed if applied to any final calculation result;



- “**MC**” (activates with right soft and “c” buttons press) - clears an argument stored in the memory cell.





- **“Fx”** (“Functions configuration x”) (activates with with green telephone image button press)

In the most cases (for basic math calculations) only digit buttons of a keyboard and joystick is used. By joystick pressings you can execute the following operations:

Leftwards joystick button:		Division
Rightwards soft button:		Multiplication
Upwards joystick button:		Addition
Downwards joystick button:		Subtraction
Center joystick button:		Functions execution

To enable auxiliary computation functions **“Fn”** button is used. It can be activated with right soft button pressing.

Thus, to input functions depicted above the buttons on NiceCalc’s main screen it’s needed to once press **“Fn”** and then press selected button.

One of innovations that is realized in the NiceCalc3 is a changeable functions matrix. **“Fx”** button (“Functions configuration X”) that can switch functions list. **“Fx”** can be activated by pressing **“Accept call”** button (with green telephone image).

NiceCalc3 supports individual buttons customization. Please turn to “Buttons configuration customization” chapter for more information.

UIQ™ interface



Concerning different form-factors and keyboards optionally of the UIQ smartphones NiceCalc3 supports several control approaches and data input types.

In case of absence of the joystick on some of UIQ smartphones information to NiceCalc3 computing can be entered from touch screen display only.

For devices with no touch screen and with joystick management and computing options are distributed over hardware buttons.

NiceCalc3 allows you to edit default bindings of functions to hardware buttons. To obtain more information please proceed to “Buttons configuration customization” chapter.



List of management buttons inputed from keyboard:

- “**More**” (right soft button) – access to “Options” menu.
- “**C**” (activates with “c” button) – clears display.

Attention

| After pressing “**C**” the memory cell will not be cleared;



- “**CE**” button - cancels last incorrectly entered argument with opportunity to enter new one and continue calculations.

Attention

| Function will not be executed if applied to any final calculation result;

- “**MC**” (activates by press on left soft and “c” buttons) - clears the argument stored in the memory cell.

In the most cases (for basic math calculations) only digit buttons of a keyboard and joystick is used. By joystick pressings you can execute the following operations:

Leftwards joystick button:		Division
Rightwards soft button:		Multiplication
Upwards joystick button:		Addition
Downwards joystick button:		Subtraction
Center joystick button:		Functions execution

If the mobile handheld doesn’t have joystick or any other control button pressings can be produced by touch screen contact.

To enable auxiliary computation functions “**Fn**” button is used. It can be activated with right soft button pressing.

Thus, to input functions depicted above the buttons on NiceCalc’s main screen it’s needed to once press “**Fn**” and then press selected button.

One of innovations that is realized in the NiceCalc3 is a changeable functions matrix. “**Fx**” (“Functions configuration X”) button that can switch functions list. “**Fx**” can be activated by pressing “**Accept call**” button (with green telephone image).

NiceCalc3 supports individual buttons customization. Please turn to “Buttons configuration customization” chapter for more information.



Buttons configuration customization

NiceCalc3 supports customizable controls to provide personalization and flexibility management options.

To edit keyboard control settings open “**Edit keyset**” item located in the “**Extra**” menu in the “**Options**”.



You can modify nine different management buttons. To edit current value select desirable control then press “**Options**” and “**Edit key**”. When “Press new key” sign appears press the button you want to bind control to.

For devices with UIQ™ interface only physical buttons can be adjusted. It’s not possible to edit or adjust touch screen regions.

If you need to restore default controls settings you can use “**Default keyset**” option in the “**Options**” menu.



Attention

Not all keys are possible to use to control NiceCalc3 functions. If the “Press any key” notice is still on the screen after you press desirable button then this key can’t be used in NiceCalc3.

Attention

After you customized keyset on the devices with UIQ™ user interface please exit with “Back” item in the “Options” menu to save current configuration. If you simply press button with “returning pointer” then custom set will not be stored.

Attention

Certain functions are not accessible in the freeware version of NiceCalc3.



Indication and notations

If intermediate or final result exceeds the number possible to display on NiceCalc3 screen it will be converted automatically to exponential count.

To convert a value from exponential to standard notation, look at the value and separate part located after e (exponent) symbol. Separated number represents quantity of 10 that mantissa must be multiplied on. For example: $1,2 \times 10^{11}$ will be equal to 120 000 000 000. Negative values are handled the same way, except that you move the decimal place to the left instead of the right.

To provide comfortable control and precise arguments input buttons’ pressings are graphically animated in the NiceCalc3.

When one activates the functions input mode (by pressing “Fn” button) all possible arguments for computing are highlighted. This allows to input necessary symbols faster and simplifies the control under operations.

List of indicators that are displayed on the NiceCalc3 screen:

- Parameters of the trigonometry function calculating: “Degree”, “Radian”, “Grad”;
- Current setting of the numeric system: “Decimal”, “Hexadecimal”, “Octal”, “Binary”;
- Indication current memory state: “Memory”;
- Indication of the current function mode: “Function”.

To customize visual decoration according to environment you can choose light or dark style.

Application’s settings description and customization

This chapter represents information for NiceCalc3 customization.

List of settings for mathematical calculations

- Clipboard:
 - Copy;
 - Paste.
- Angle in...:
 - Degrees;
 - Radians;
 - Grads.
- Numeric system:
 - Decimal;
 - Hexadecimal;





- Octal;
- Binary.
- Calc mode:
 - Standard;
 - Scientific.
- Round result to ...:
 - From 1 to 5 digits and “full result”.

To simplify navigation in the program options all settings are located directly in the pop-up menus. As well as presenting opportunity for quick calculations NiceCalc3 can be quickly personalized for any type of computing. Any option can be configured with not more than 3 clicks.

List of visual application settings

- Panel style:
 - Light;
 - Dark.
- Extra:
 - Edit keyset;
 - About NiceCalc3;
 - Help.

In the “keyset” menu you can customize bindings for controls, functions execution to the hardware buttons. To adjust current setting select parameter from the list, open “Option” then press “Edit”. After “Press any key” warning appears press new button to control selected option. Additional information can be found in the “Buttons configuration customization” chapter.

Attention

| Certain functions are not accessible in the freeware version of NiceCalc3.

NiceCalc3 basic computation examples

To demonstrate NiceCalc’s calculation opportunities this chapter contains the most common mathematical and algebraic functions that are used for computing. Every type of calculation example is accompanied with buttons pressing sequence.

If you experience any difficulties in calculating please refer to a NiceCalc3 topic in the VerySoft Official forum or feel free to send a message to VerySoft Support Department. E-mail address is support@very-soft.com



It’s impossible to do computations using keyboard only for certain UIQ devices. For those devices that have no joystick it’s required to use touch screen. Anyhow all calculation examples are logically relevant for both types of interfaces but key pressings style could differ.

Attention

Demonstrated examples can be reproduced using keyset with “default” value. If one change keyboard control buttons pressing order will differ.

Attention

In the demonstrated examples certain mobile device models were used. Buttons of your handheld could have different visual style.

Basic math

Computing functions	Result	Key pressings order
Addition: $34 + 98$	132	
Subtraction: $32 - 95$	- 63	
Multiplication: $546 * 3$	1692	
Division: $64 / 5$	12,8	

Negative numbers

To increase the speed of calculations you can easily change digit form (from positive to negative and vice versa) in one click.

Computing functions	Result	Key pressings order
Add: $- 38 + 48$	10	

Results rounding

You could specify automatic rounding of the decimal part of the result in the “Round result to ...” pop-up list in the “Options” menu.



Percentage calculation

Computing functions	Result	Key pressings order
Simple percentage: 26% from 1500	390	
Summarizing percentage: 3620 increase by 15%	4163	
Discount percentage: 4750 decreased by 4%	4560	
Ratio: Calculate what percent of 250 is 50	20 (%)	

Attention

Percentage calculations realization has different approaches and could differs from one calculator model to another. Differs between approaches is in intermediate result displaying. Some of the calculators after computing percentage show final result straight away. This final result already contains intermediate calculations. Such approach partly contradicts to mathematical logic.

NiceCalc3 operates with percentage computations in opposite way. It shows intermediate result first and after second pressing of [=] button executes previously inputted arithmetical operation with displayed percents value.

Attention

This functionality is not accessible in the freeware version of NiceCalc3.

Memory usage

NiceCalc3 has one memory cell to store intermediate results. It's enough for almost all calculation cases.

Computing functions	Result	Key pressings order
Place argument to the memory cell: Add 85 and 15 and add result to a memory	100	



Memory fast operations support: Add to an argument saved in memory 75 and save new result in the memory	175	
Subtract from the argument stored in memory 20 and save new result in the memory	155	
Usage the value stored in memory: Call previously stored value from the memory and multiply it by 5	775	
Clear memory cell		

While calculating using memory cells appropriate indicators will be displayed on the screen.

When clearing a current display result memory cell will not be deleted and stored argument can be used in several calculation procedures.

Attention

| This functionality is not accessible in the freeware version of NiceCalc3.

Power functions

Computing functions	Result	Key pressings order
$6^2 + 4^3$	100	
$10^3 * 1/1'000'000$	1000	

Attention

| This functionality is not accessible in the freeware version of NiceCalc3.



Trigonometrical functions

Computing functions	Result	Key pressings order
Sin (30)	0,5	
Cos (0)	1	
Cot (89)	0,5931	
78 divide by tan (27)	153,083	

To provide fast calculation possibilities frequently used trigonometrical functions are placed in the primarily functions list. Such functions as \sin^{-1} , \cos^{-1} , \tan^{-1} , \cot , \cot^{-1} are accessible in the secondary list. You can switch to auxiliary list by activating “Fx” (“Function configuration X”) button through pressing on “Accept call” (with green phone image) mobile handheld’s button. Activation of the “Fx” (“Function configuration X”) mode on the UIQ smartphones is made with jog – dial (scroll button) rotation.

Angle units usage

Computing functions	Result	Key pressings order
Compute sin (30) in degrees	0.5	[“Options”] [“Angle in ...”] [“Degrees”]
Compute sin (30) in radians	-0.988	[“Options”] [“Angle in ...”] [“Radians”]
Compute sin (30) in grads	0.454	[“Options”] [“Angle in ...”] [“Grads”]

Attention

| This functionality is not accessible in the freeware version of NiceCalc3.



Logarithmic functions

Computing functions	Result	Key pressings order
$\log 150$	2,17609	
e^{10}	22026,4 7	
$\log (0,01/\sqrt{100})$	- 3	
$\ln (1/e^3)$	3	

Attention

| This functionality is not accessible in the freeware version of NiceCalc3.

NiceCalc3 scientific computation examples

Scientific mode has number of peculiarities and advantages. This chapter contains several examples that is used in “NiceCalc3 basic computation examples” section to demonstrate possibilities of faster input and calculation operations precedence order. Even simple computations looks and happen similar, complex expressions can be calculated much more faster in the scientific mode.

Attention

| NiceCalc3 can be switched to the “scientific” mode in the “**Option**” menu. Ones must open it then go to “**Calc mode**” and select “**scientific**” item.

Attention

| Scientific mode usage is not accessible in the freeware version of NiceCalc3.



Arithmetic operations with operations precedence support

Computing functions	Result	Key pressings order
$29 + 98 * 6 + 5^2 / (-15)$	615, (3)	

Power functions

Computing functions	Result	Key pressings order
$6^2 + 4^3$	100	
$10^3 * 1/1'000'000$	1000	

Logarithmic functions

Computing functions	Result	Key pressings order
$\log(0,01/\sqrt{100})$	- 3	
$\ln(1/e^3)$	3	

As you can see from the demonstrated examples scientific mode has its own peculiarities as well as advantages.



Operations in different numeric systems

There is a specially designed operating mode for calculations in hexadecimal, octal and binary numeric systems. These modes can be activated by choosing appropriate items in the “**Numeric system**” menu.

These modes allow entering special symbols that are relevant only for specified numeric systems. Additionally, there are next logical operations available: OR, XOR, AND.



To prevent entering inappropriate symbols some buttons are blocked. Thus, for example, it’s possible only to enter arguments that contain only “0” and “1” symbols. Accordingly, other symbols can’t be entered in the argument.

There are limitations for arguments length in different numeric systems:

- in hexadecimal – up to 8 symbols (dword, high argument – FFFF FFFF);
- in decimal – determined by display width;
- in octal – up to 11 symbols (dword, high argument – 37 777 777 777);
- in binary – up to 32 symbols¹;

Attention

In case of impossibility to display full length intermediate or final result NiceCalc3 will show only last symbols that fits to display’s width.

Attention

In case of impossibility to calculate some kind of operations in hexadecimal, octal and binary numeric systems, NiceCalc3 display will be cleared without informing about error type.

Attention

Usage of the numeric system other than decimal is not accessible in the freeware version of NiceCalc3.



¹ Argument symbols input are limited to the screen width.




























NiceCalc3 keys quick reference

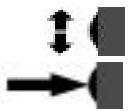
S60™ interface

Key	Mobile handheld key(s) used	Executed function description
[0]...[9]		Enters the digits
[C]		Clears symbols and errors messages on the entry line.
[Fn] [MC]		Clears memory cell
[←]		Clears last entered symbol
[Fn] [CE]		Clears last entered argument and stores calculating process
[Fn]		Switches between functions/numbers enter
[Fx]		Switches between functions matrix
[+]		Addition
[Fn] [+]		Adds argument to the memory cell. Adds current argument with the argument stored in memory cell
[*]		Multiplication
[Fn] [*]		Percentage operation
[-]		Subtraction
[Fn] [-]		Subtracts current argument from the argument stored in memory cell and stores new value.
[/]		Division
[Fn] [/]		Calculates 1/x with previously entered x
[Fn] [0]		Calculates n! factorial
[Fn] [1]		Calculates the sine (sin x)
[Fn] [2]		Calculates the cosine (cos x)













[Fn] [3]	 3 def	Calculates the tangent ($\tan x$)
[Fn] [4]	 4 ghi	Calculates the logarithm ($\log x$)
[Fn] [5]	 5 jkl	Calculates the natural logarithm ($\ln x$)
[Fn] [6]	 6 mno	Calculates the natural antilogarithm (e raised to the power of the value; e^x)
[Fn] [7]	 7 pqrs	Calculates the root of the value (\sqrt{x})
[Fn] [8]	 8 tuv	Raises current argument to the 2 nd power (x^2)
[Fn] [9]	 9 wxyz	Raises current argument to the y power (x^y)
[+-]	 *	Changes current value to negative/positive form
[Fn] [+-]	  *	Raises 10 in the power of the value x (10^x)
[.]	 # 	Enters a decimal point
[Fn] [.]	 # 	Enters a value of pi (π) rounded to 14 digits
[F _x][Fn][1]	  1 	Calculates the arcsine (inverse sine)
[F _x][Fn][2]	  2 abc	Calculates the arccosine (inverse cosine)
[F _x][Fn][3]	  3 def	Calculates the arctangent (inverse tangent)
[F _x][Fn][4]	  4 ghi	Calculates the cotangent
[F _x][Fn][5]	  5 jkl	Calculates the cotangent (inverse cotangent)

UIQ™ interface



- jog – dial scrolling

















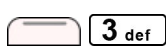





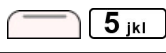
- jog – dial press

Key	Mobile handheld key(s) used	Executed functions description
[0]...[9]	         	Enters the digits



[C]		Clears symbols and errors messages on the entry line.
[Fn] [MC]		Clears memory cell
[←]	to be defined by User	Clears last entered symbol
[Fn] [CE]	to be defined by User	Clears last entered argument and stores calculating process
[Fn]		Switches between functions/numbers enter
[Fx]		Switches between functions matrix
[+]		Addition
[Fn] [+]		Adds argument to the memory cell. Adds current argument with the argument stored in memory cell
[*]		Multiplication
[Fn] [*]		Percentage operation
[-]		Subtraction
[Fn] [-]		Subtracts current argument from the argument stored in memory cell and stores new value.
[/]		Division
[Fn] [/]		Calculates 1/x with previously entered x
[Fn] [0]		Calculates n! factorial
[Fn] [1]		Calculates the sine (sin x)
[Fn] [2]		Calculates the cosine (sin x)
[Fn] [3]		Calculates the tangent (tan x)
[Fn] [4]		Calculates the logarithm (log x)
[Fn] [5]		Calculates the natural logarithm (ln x)
[Fn] [6]		Calculates the natural antilogarithm (e raised to the power of the value; e^x)
[Fn] [7]		Calculates the root of the value (\sqrt{x})
[Fn] [8]		Raises current argument to the 2 nd power (x^2)



[Fn] [9]	 	Raises current argument to the y power (x^y)
[+-]		Changes current value to negative/positive form
[Fn] [+-]	 	Raises 10 in the power of the value x (10^x)
[.]		Enters a decimal point
[Fn] [.]	 	Enters a value of pi (π) rounded to 14 digits
[F _x][Fn][1]	  	Calculates the arcsine (inverse sine - \sin^{-1})
[F _x][Fn][2]	  	Calculates the arccosine (inverse cosine - \cos^{-1})
[F _x][Fn][3]	  	Calculates the arctangent (inverse tangent - \tan^{-1})
[F _x][Fn][4]	  	Calculates the cotangent (cot)
[F _x][Fn][5]	  	Calculates the cotangent (inverse cotangent - \cot^{-1})



NiceCalc3 application types and usage limitations

NiceCalc3 represents in two versions – NiceCalc3 Lite (freeware) and NiceCalc3 (full). Freeware version has limited functionality. Full version allows you to utilize all possible calculation opportunities and settings.

Freeware version can be used free of charge on any Symbian OS compatible device.

NiceCalc3 full version contains broad set of functions and allows to customize application as you wish. Unregistered version is limited by time of usage and operates only 7 days. After trial period ends application will become non-functional. Final results will be randomly modified and all calculation results will be incorrect.

Trial period of the NiceCalc3 is limited to 7 days.

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