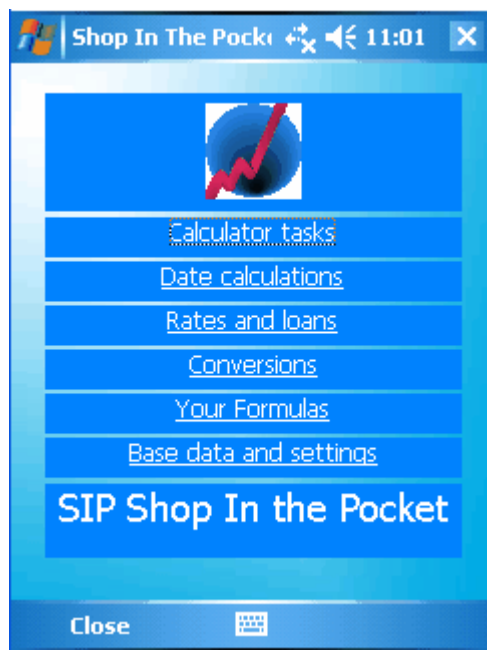


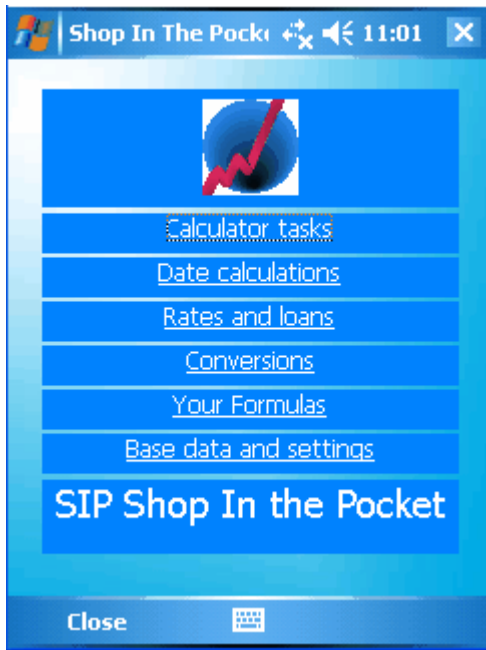
# SIP Shop In the Pocket User manual



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DISCLAIMER: The content of this document is provided for information purposes only. You can use the examples etc. at your own risk.

# 1 Introduction

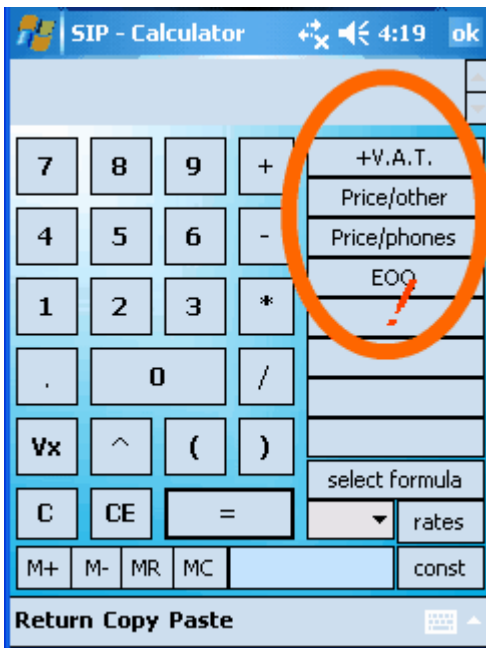


SIP Shop In the Pocket, an excellent tool for every shopkeeper and businessman.

Put this handy tool to work for you by calculating your prices, costs, optimal order quantities, rates, monthly payments, due dates etc. in a handy and easy, even enjoyable way. Prepare this tool for you by putting your formulas in it and then save your valuable time!

You can enter your company's different formulas for calculating prices having always fresh data and a convenient way to calculate the values, you require.

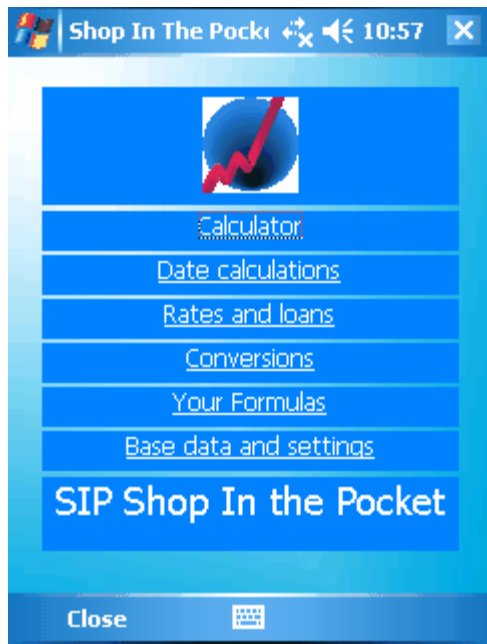
- Keep your figures in your pocket and use them whenever you need.
- Create even the most complicated formulas and put them behind a single button - then just enjoy working.
- You can add user input fields into your formulas making their use very flexible. This feature has not been seen in any other business calculator.
- Formulas are entered as they are written.



Example: Add 25% profit to the purchase price and V.A.T. (11 %) on that. Formula: **(ResultBox\*1.25)\*1.11**. You can put this behind a single button in your calculator!


There is up to eight buttons to define. All formulas can be viewed and selected via  button.


## 2 Main menu



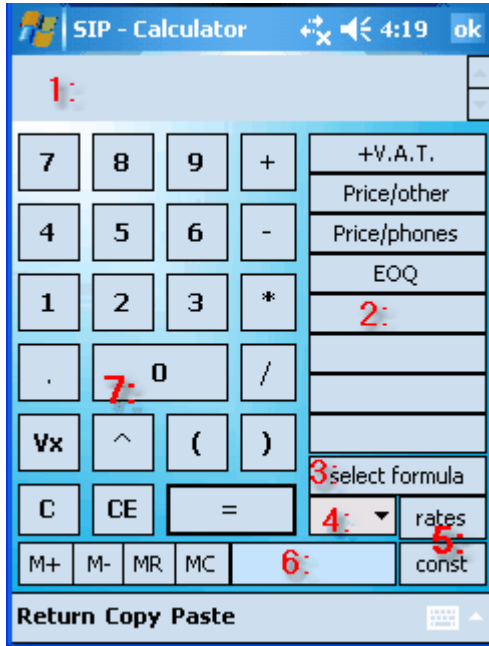
- Calculator = Business Calculator
- Date calculations = Calculate due dates and date differences
- Rates and loans = Different rate calculations and a special tool to calculate penalty interests etc.
- Conversions = Useful and really handy conversion tool between common units.
- Your formulas = Create your own formulas
- Base data and settings = Tool settings, your constant values and currency rates, Registration also if you still are using an evaluation version.

### REMARK:

Closing SIP using  menu option in the bottom left corner closes the program and frees memory.

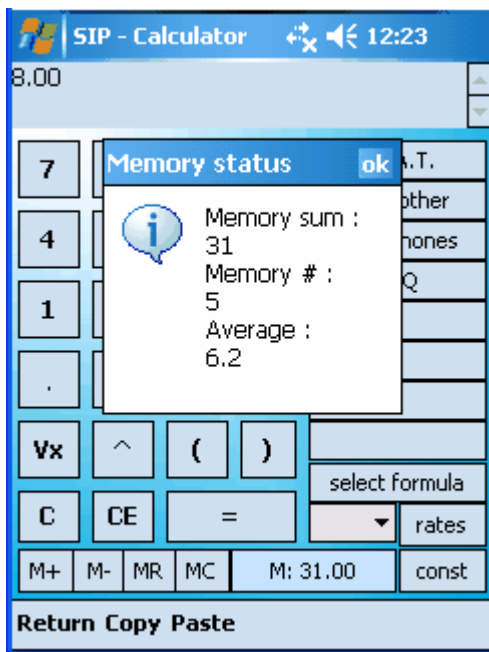
Usually it is faster to use the  button in the top right corner. This way program starts much faster when used again.

### 3 Calculator



- ❑ 1: Display. Shows entered formula and the results. (Called **ResultBox** in the formulas.)
- ❑ 2: 8 programmable buttons (Define formulas in Base data and settings->Calculator's formula buttons)
- ❑ 3: Select formula from a list
- ❑ 4: Drop down list of available mathematical functions
- ❑ 5: Get a list of constant values or currency rates to choose a value
- ❑ 6: Memory result and buttons
- ❑ 7: Numeric keypad.
- ❑ Vx=Square root, f.i.  $\text{sqr}(4)=2$ . ^ = Power of (+ enter exponent) f.i.  $5^2 (=25)$

Enter numbers and select basic functions by tapping the buttons.



Using Memory register

- ❑ M+ = Add value in the result box to the memory
- ❑ M- = Subtract value from memory
- ❑ MR = Copy current memory value to the result box
- ❑ MC = Clear memory
- ❑ Tap memory value box and you get a message showing current value, number of entered values and average.

Enter numbers and select basic functions by clicking the buttons.

C = Clears the calculator and resets any functions.

CE = Clears the last number or operation entered.

+ = This button performs addition.

- = This button performs subtraction.

/ = This button performs division.

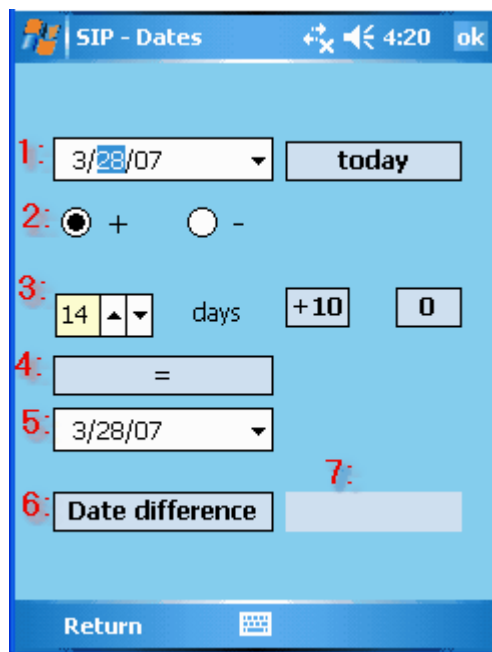
\* = This button performs multiplication.

= = Evaluates entered formula and displays the result.

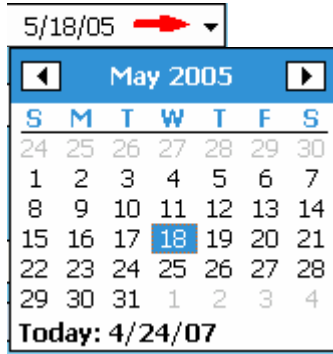
rates=Get a list of currency rates, const=Get a list of your constant values.

## 4 Date calculations

You can evaluate a date from given date by adding or subtracting given number of days to/from the start date or calculate difference between two dates in years, months, days and weeks.

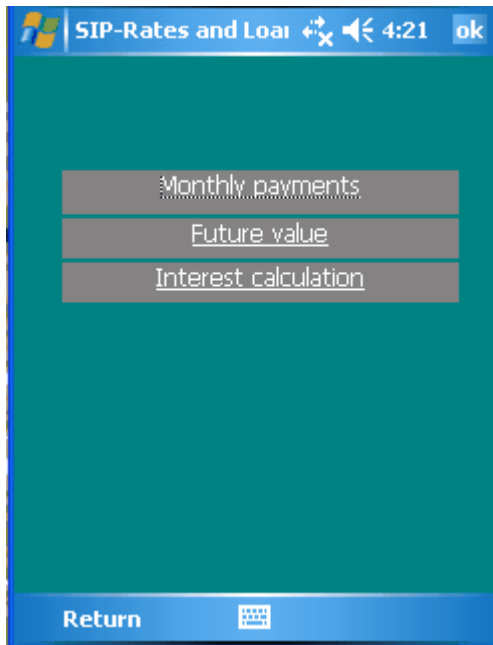


- 1: Enter start date. Press **today** to set this to today's date
- 2: When calculating due dates etc. enter + to add or - to subtract the value below from the start date.
- 3: Number of days when calculating a certain date from date given in the start date (1).  
 **=** = calculate result date 5: from start date 1:
- +10** = Add 10 days to number of days
- 0** = Clear date difference
- 4: Press this button to calculate new date
- 5: Result date or 2. date when calculating date differences.
- 6: Press **Date difference** button to calculate date difference.
- 7: Date difference result (difference between 1: and 5:) (week and month results are shown in full units only, no fractions).



- Tap the drop down arrow in date fields to get a calendar view to select date.

## 5 Rates and loans



Select a task from the menu

## Monthly payments

SIP-Rates and Loans 12:24 ok

### Monthly Payment

Loan amount  ...

Interest Rate  ...

Duration (months)  ...

Early Payment (beg.of month)

Monthly Payment

**Calculate Monthly Payment**

Return Copy Paste

Early payment=The payment occurs at the beginning of each month.

= Press this button to use SIP's own easy to use entry form.

- Enter all values and click

**Calculate Monthly Payment**

to

calculate the payment.

- Copy** Copy calculated value to the clipboard for future use
- Paste** Paste clipboard value to the currently selected textbox

## Future value

SIP-Rates and Loans 12:23 ok

### Future value

Monthly payment: 600 ...

Interest Rate: 6 ...

Duration (months): 48 ...

Future value: 32458.70

Calculate future value

Return Copy Paste

- Use this function to estimate future values for investments etc.

**...** = Press this button to use SIP's own easy to use entry form.

- Enter all values and click

**Calculate future value** to calculate the future value.

- Copy** Copy calculated value to the clipboard for future use

- Paste** Paste clipboard value to the currently selected textbox

## Interest calculation

SIP-Interest calc 12:22 ok

### Interest calculation

Due date: 4/ 1/07 today

Payment date: 4/24/07 today

Interest rate: 11 ...

Amount: 5800 ...

Interest paid: 40.20

Calculate

Return Copy Paste

- Use this function to calculate penalty payments etc.
- Enter the dates, interest rate and amount and press

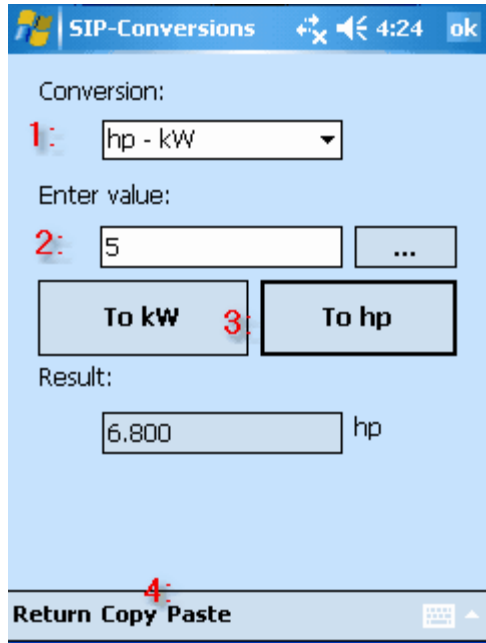
**Calculate** to get the interest amount to be paid/invoiced.

- today** = set today's date to the corresponding date field.

- Copy** Copy calculated value to the clipboard for future use

- Paste** Paste clipboard value to the currently selected textbox

## 6 Conversions



### Basic conversions between units

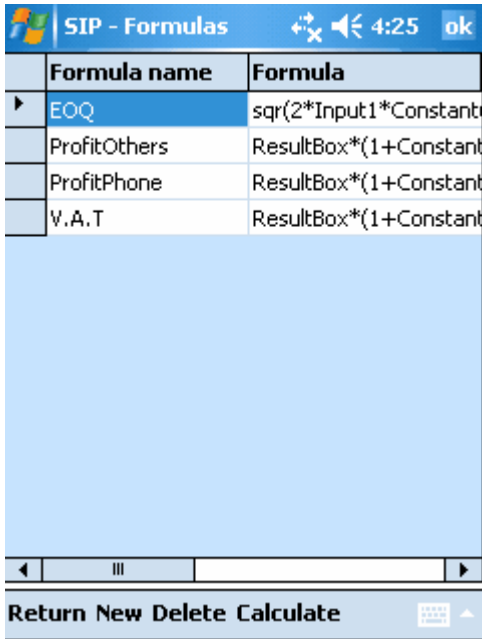
- 1: Select unit pair to convert.
- 2: Quantity to convert.  = Get the SIP easy entry form for entering the value.
- 3: Press the appropriate button to get quantity in desired units.
- 4:
  - Copy** Copy calculated value to the clipboard for future use
  - Paste** Paste clipboard value to the currently selected textbox

Possible unit pairs are:

- mile <-> km
- gal(us) <-> liter
- m(etre) <-> ft
- m(etre) <-> yd
- kg <-> lb
- oz <-> g(ram)
- ha <-> acre
- nautical mile <-> mile
- nautical mile <-> km
- hp <-> kW
- Celsius <-> Fahrenheit
- Hex <-> Decimal

## 7 Your formulas

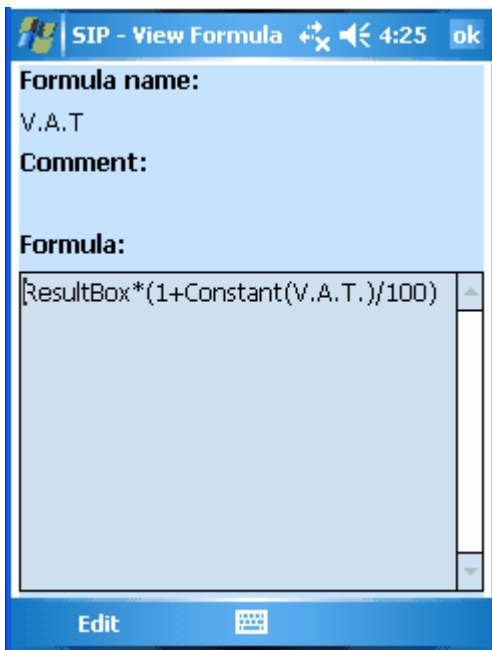
### Browse formulas



Browse view

- Select formula for viewing by doubleclicking the row
- New** = Create new formula
- Delete** = Delete current formula
- Calculate** = Use selected formula

### View formula



View formula

- Edit** = Go to the formula edit view

## Editing formula

Formula edit view consist's of three tabs; Name and comment tab, Input fields tab and formula editing tab.

SIP - Edit Formula 4:26 ok

**Formula:**

V.A.T

**Comment:**

Formula name User input fields Formula

Cancel Test

Here you can enter name for a new formula or edit optional comment.

- Use **ok** button to save updated formula.

SIP - Edit Formula 4:27 ok

User input 1 caption:

User input 2 caption:

User input 3 caption:

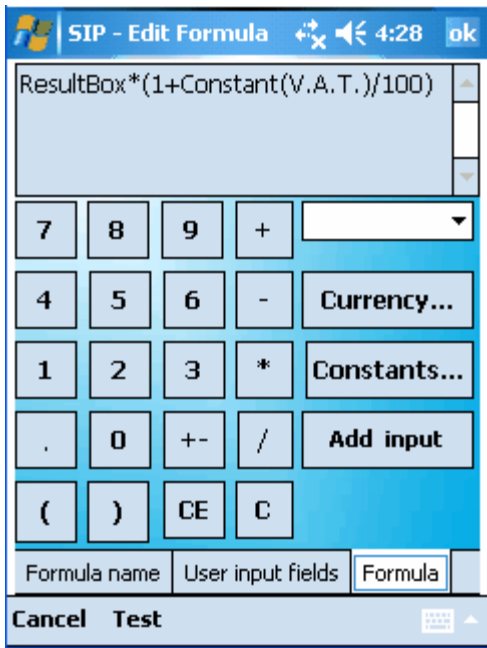
User input 4 caption:

User input 5 caption:

Formula name User input fields Formula

Cancel Test

- You can enter up to six different optional input fields for each formula and put them freely into the formula.
- These are additional input fields. Usual result value on which formula is evaluated is called **ResultBox**.
- Here you enter the caption for each additional input field.
- These input fields are called **Input1**, **Input2** etc. in the formulas.



Enter numbers and select basic functions by clicking the buttons.

- + = This button performs addition.
- = This button performs subtraction.
- / = This button performs division.
- \* = This button performs multiplication.

Editing formula occurs by tapping the buttons on the screen.

The formula is entered as it is written.

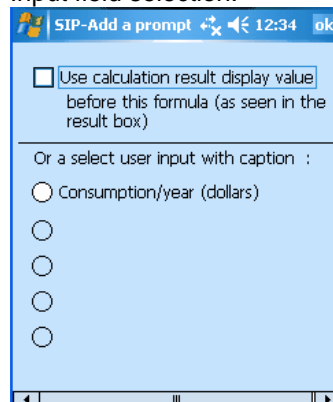
You can use as many parentheses as you need.

**Currency...** You can select a currency rate to be used in the formula. The currency is shown like **Rate(EUR)** in the formula. (Euro in this example.)

**Constants...** You can select your constant to be used in the formula. It is shown like V.A.T. in the example: **Constant(V.A.T.)**

**Add input** You can enter an input field to the formula (either **ResultBox** -value or one of the six possible additional input fields.)

Input field selection:



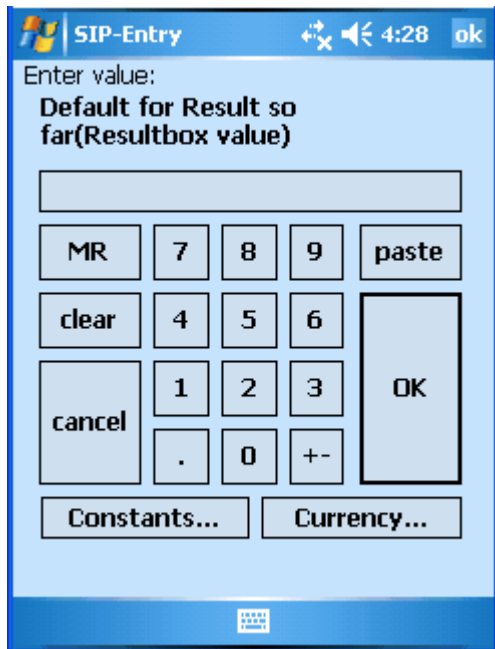
**C** = Clears the calculator, and resets any functions.

**CE** = Clears the last number or operation entered.

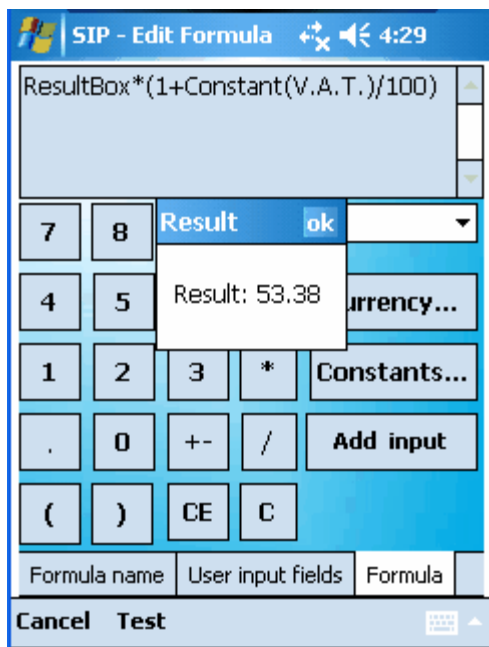
**=** = Evaluates entered formula and displays the result.

Drop down list to get mathematical functions:





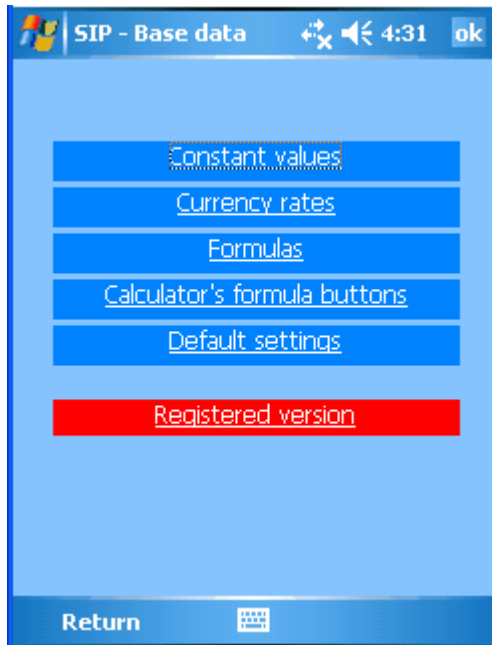
- ❑ Use **Test** menu option to test the formula. Possible starting value (ResultBox) and optional other input values will be asked.
- ❑ All necessary input values are asked using the easy SIP-Entry form.



- ❑ Test result will be seen in a message box.

## 8 Base data and settings

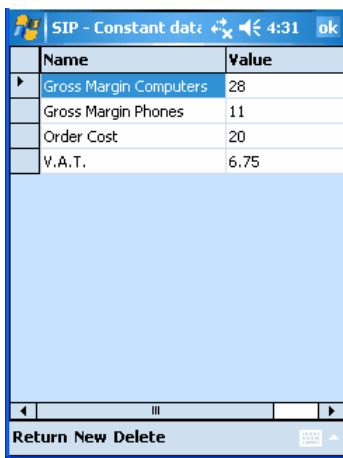
### Base data



#### Base data

- Constant values
  - View and edit your constant values
- Currency rates
  - Edit currency rates
- Formulas
  - Edit your formulas
- Calculator's formula buttons
  - Set up formulas to the buttons in your calculator
- Default settings
  - Some basic settings
- Registered version
  - This menu option has a caption "**Enter the registration key**" and can be used to enter the registration key until you have entered the registration key.

## Your Constant values

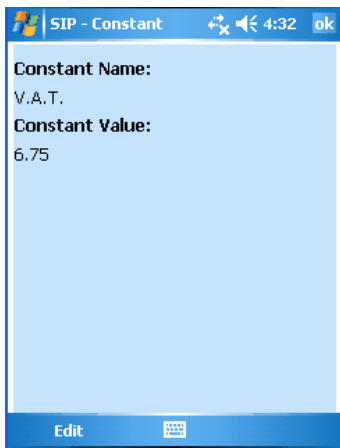


Name	Value
Gross Margin Computers	28
Gross Margin Phones	11
Order Cost	20
V.A.T.	6.75

Return New Delete

### Browse Constant data

- New** = Enter a new value
- Delete** = Delete currently selected value
- Return** = Return to the menu



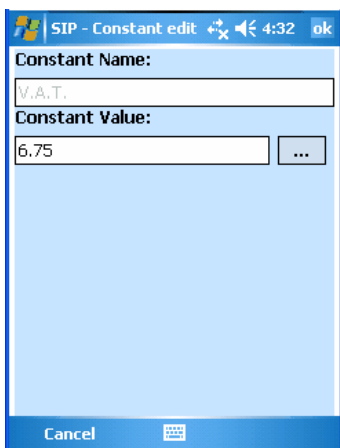
Constant Name:  
V.A.T.

Constant Value:  
6.75

Edit

### View selected Constant value

- Edit**=Go to edit this value





Constant Name:  
V.A.T.

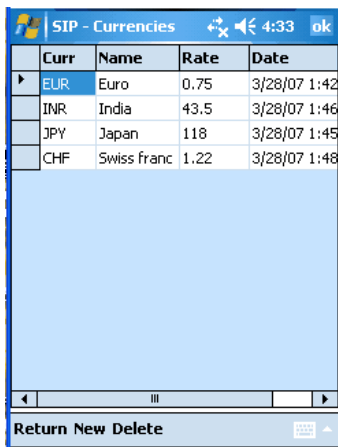
Constant Value:  
6.75

Cancel

### Edit selected Constant value or enter a new one

-  = Press this button to use SIP's own easy to use entry form.
- Use  button to save updated/added value

## Currency rates

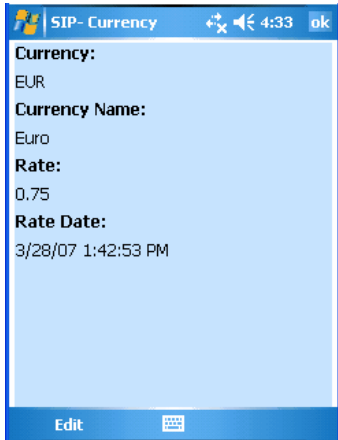


Curr	Name	Rate	Date
EUR	Euro	0.75	3/28/07 1:42
INR	India	43.5	3/28/07 1:46
JPY	Japan	118	3/28/07 1:45
CHF	Swiss franc	1.22	3/28/07 1:48

Return New Delete

### Browse Currencies

- New** = Enter a new value
- Delete** = Delete currently selected value
- Return** = Return to the menu



Currency:  
EUR

Currency Name:  
Euro

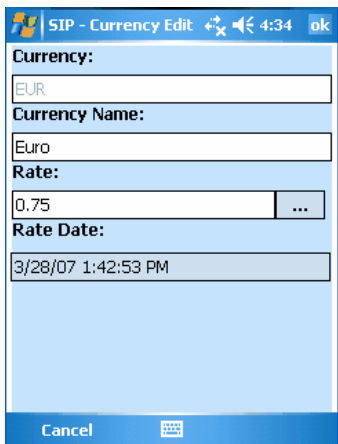
Rate:  
0.75

Rate Date:  
3/28/07 1:42:53 PM

Edit

### View selected Currency

- Edit**=Go to edit this currency



Currency:  
EUR



Currency Name:  
Euro

Rate:  
0.75 ...

Rate Date:  
3/28/07 1:42:53 PM

Cancel

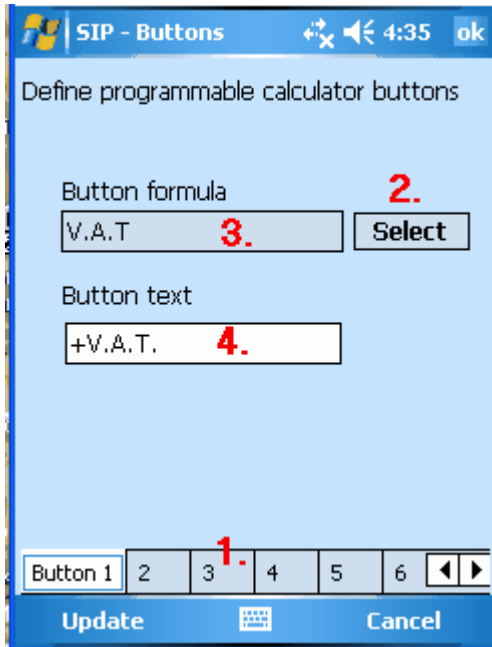
### Edit selected Currency or enter a new one

-  = Press this button to use SIP's own easy to use entry form.
- Use  button to save updated/added value

## Programmable buttons

There are eight programmable buttons in the calculator. You can put your own formula behind each of them.

This is done from the base data menu selection "**Calculator's formula buttons**".



- 1. Select tab for the button you want to define (1 to 8, first=topmost button).
- 2. Press **Select** button to go to the formula selection view and select there desired formula by clicking it.
- 3. Selected formula will be seen in this text box.
- 4. The caption of the button in the calculator. (Default is the formula name but you can freely change it.)

When definitions are made, press

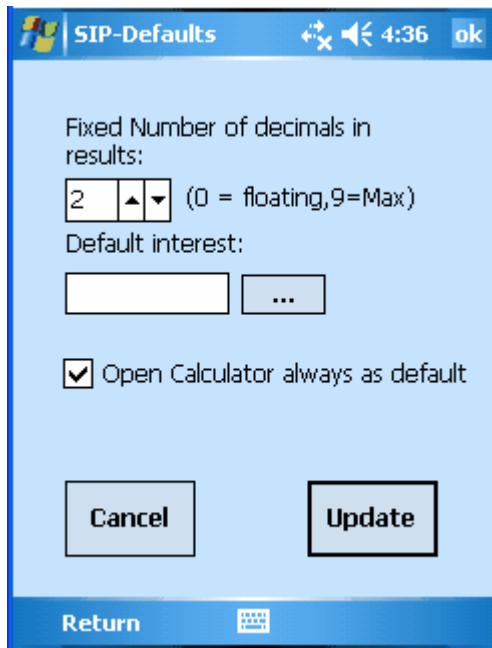
**Update**

To cancel editions, press

**Cancel**

## Basic settings

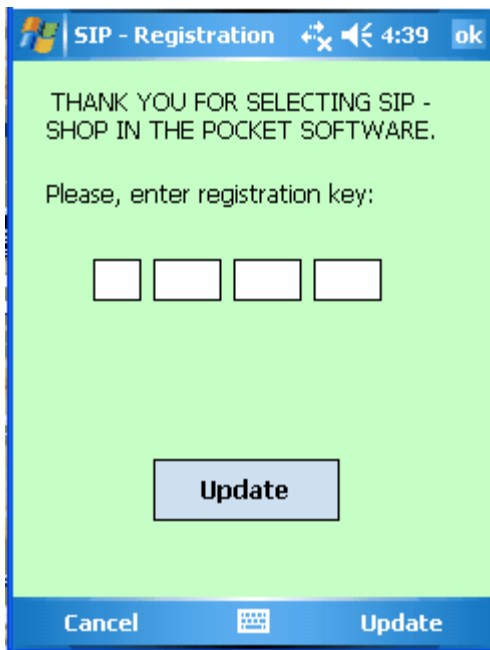
You can set up some defaults for the program.



- You can define how many decimal places you want to see in calculation results. (0= floating)
- Default interest can also be set (for interest calculations)

If you want the calculator to be started as a default when SIP starts, you can check the **Open calculator always as default** check box.

## 9 Registration



You can evaluate SIP for seven days. During the evaluation period you get a remainder message box every now and then and after evaluation period you must registrate the software. At that point the registration for is automatically opened and you can enter the key.

Press **Update** to update the key.

If you want to registrate the software before evaluation period is ended, you can do it via menu **Base settings and registration** and there **Enter registration key**.

## 10 Formula examples

These examples will show you how with a little preparations you can make your work a lot easier and you will save also a lot of your valuable time.

### PROFIT AND VALUE ADDED TAX

Add your profit and V.A.T. to the price:

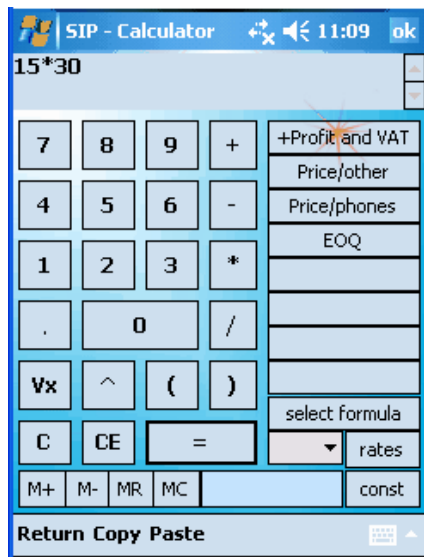
Formula:  $(\text{ResultBox} * 1.28) * 1.11$  Here your profit is 28% and assumed value added tax is 11 %  
 The formula is also defined earlier as your 1. formula button.

### Usage example:

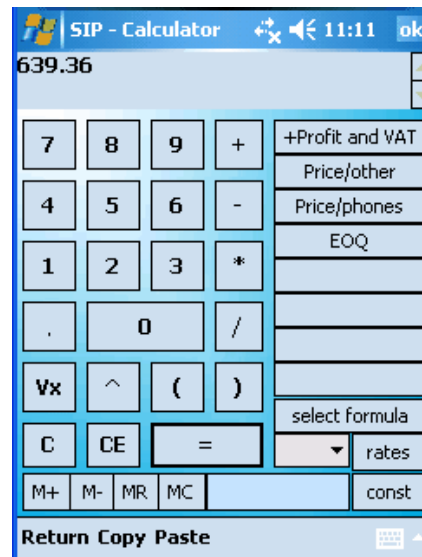
You sell **15 units** of a product (your purchase price has been **30,00 \$/ unit**)

Calculate the value of above quantity in purchase price and calculate the customer's price:

Enter quantity \* price and press your 1. button:



and get the result:



ECONOMIC ORDER QUANTITY

Formula:

Square root( $2 * (\text{Annual usage in units}) * (\text{Order cost}) / (\text{Annual carrying cost per unit})$ )

Formula definitions: (We are assuming that the order cost here is **25\$/order**)

Formula (in the edit form):

SIP - Edit Formula 11:53 ok

sqr(2\*Input1\*25/Input2)

7 8 9 +

4 5 6 - Currency...

1 2 3 \* Constants...

. 0 +- / Add input

( ) CE C

Formula name User input fields Formula

Cancel Test

Input fields in formula:

SIP - Edit Formula 11:53 ok

User input 1 caption:  
Annual usage

User input 2 caption:  
Annual Carrying costs

User input 3 caption:

User input 4 caption:

User input 5 caption:

Formula name User input fields Formula

Cancel Test

We will use also constant values:

Name	Value
Carrying Costs/large items	1.2
Carrying costs/small items	0.15
Gross Margin Computers	28
Gross Margin Phones	11
Order Cost	20
V.A.T.	6.75

The formula has earlier also been defined as your 4. formula button:

Define programmable calculator buttons

Button formula  
EOQ

Button text  
EOQ

Button 1 2 3 4 5 6

## Usage

Press your defined EOQ button:

SIP - Calculator 12:01

Calculator keypad with buttons: 7, 8, 9, +, 4, 5, 6, -, 1, 2, 3, \*, ., 0, /, Vx, ^, (, ), C, CE, =, M+, M-, MR, MC, const.

Buttons on the right: +Profit and VAT, Price/other, Price/phones, EOQ (highlighted with a red starburst), select formula, rates, const.

Return Copy Paste

Enter Annual usage (15000 in this example and press OK):

SIP-Entry 12:03

Enter value:  
**Annual usage**

15000

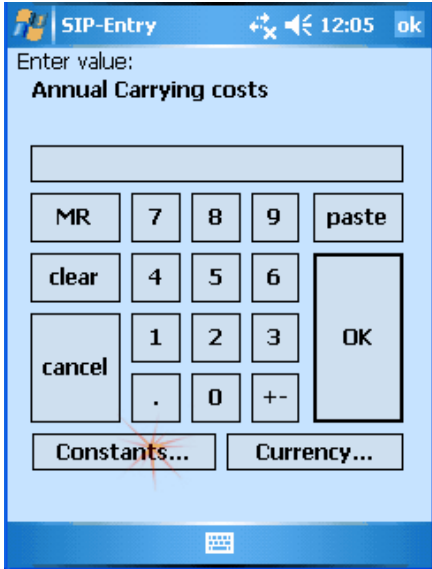
MR 7 8 9 paste

clear 4 5 6

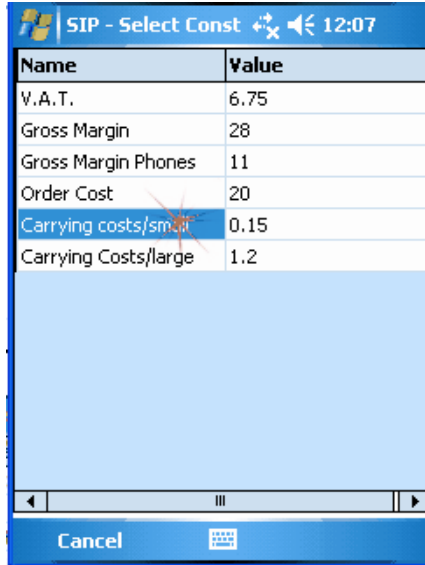
cancel 1 2 3 OK (highlighted with a red starburst)

. 0 +- Constants... Currency...

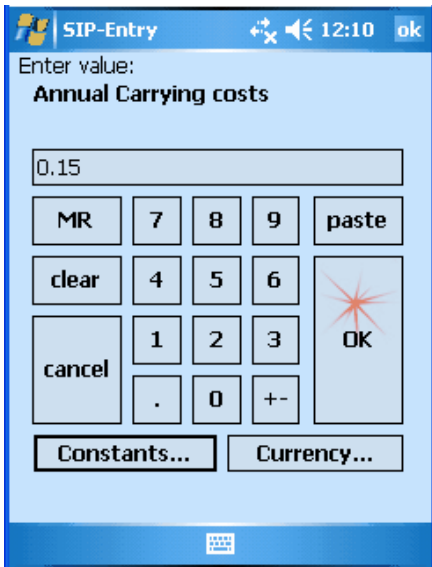
Select carrying cost; Tap Constants...:



and select from a list:



you get the selected cost, press OK:



RESULT QUANTITY:

