# PTStratX Wiki - Multi time indicators -

For the first time, test and visualize up to 5 indicators in different time periods (1 min - 1 week) in one strategy!

For best results, you must use the chart's candle period at 1.3 or 5 min as this is the trailing, buy, DCA and sell behave of the profit trailer most closely followed.

5 different purchase indicators can be combined to find a perfect purchasing strategy.

In ALL_Buy_Strategy Have the different indicators selected. Currently EMAGAIN, EMASPREAD, SMAGAIN, SMASPREAD, SMACROSS, EMACROSS, HIGHBB. LOWBB, RSI, STOCHRSI and MACD available. If "-" is selected as strategy, the respective strategy is not considered.

ALL_buy_Value sets the value of the selected indicator on which to put, e.g. EMAGAIN -0.5.

ALL_Buy_Value_Limit is adjacent to the range of the indicator, for example:

EMAGAIN -0.5 / -1.5 is only true if the gain is in the range of -0.5 - -1.5. Below that is the wrong indicator.

Period_Buy gives, by welter
Indicator is calculated. EMAGAIN 1h, LOWBB 15min, RSI 1 week etc.
Please note:
With Profittrailer only certain predefined periods are possible.
Even with Tradingview only certain predefined periods are possible.

Specials: MACD is true if MACD_fast crosses the MACD_slow from below and stays true until the MACD_fast crosses the MACD_slow from the top.

StochRSI is true if k, d crosses and k is below the value of the set buyvalue. Buyvalue_limit is currently disabled.

Up to 3 indicators can be combined for DCA, whereby DCA Anderson in the current version is automatically one of the 3 possible indicators.

If you want to trigger the DCA stages with different drops, you have to enter different values for the DCA_Buy_Trigger. If you always want to trigger on the same drop, you must enter the same value for all DCA Anderson stages. If you want to turn Anderson off, just set DCA_Buy_Trigger1 to a very high value, e.g. -99.

The two additional indicators are used just like the buy indicators and are not described here. See above.

Two sell indicators can currently be combined with different indicators - GAIN, HIGHBB, STOPLOSS and RSI. Gain is always automatically the ALL_Sell_Strategy A

ALL_Sell_Stratgey describes the indicator, ALL_Sell_Value the value on which to trigger, and Period_Sell the time range from which the Sell indicator gets its data

Stop_Loss_Value indicates the drop at which it is sold immediately.

| Eingaben | Eigenschaften | Stil | Quellcode | × |
|---|---|---|---|---|

-------------- DCA Indikator --------------  ☐

| DCA_Buy_Strategy & Anderson A | LOWBB ▾ |
|---|---|
| DCA_Buy_Value A | 5 |
| DCA_Buy_Value_Limit A | 0 |
| Period_DCABuy_A (In Min) | 60 |

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| DCA_Buy_Strategy & Anderson B | RSI ▾ |
|---|---|
| DCA_Buy_Value B | 5 |
| DCA_Buy_Value_Limit B | 0 |
| Period_DCABuy_B (In Min) | 60 |

--------------DCA Anderson --------------  ☐

| DCA_Max_Buy_Times | 4 |
|---|---|

--------------- Sell Indikator --------------  ☐

| ALL_Sell_Strategy A | GAIN ▾ |
|---|---|
| ALL_Sell_Value A | 2 |
| Period_Sell_A (In Min) | 60 |

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| ALL_Sell_Strategy B | -- ▾ |
|---|---|
| ALL_Sell_Value B | 55 |
| Period_Sell_B (In Min) | 60 |

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| Stop Loss Value | -10 |
|---|---|

ALL_Trailing_Buy, All_Trailing_Dca_Buy, and ALL_Trailing_Profit specify the trailing value as used in PT2. These are also price-related trailing values as in PT2. Trailing starts only when all selected indicators are "True".

-------------- Trailing --------------  ☐

| ALL_Trailing_Buy | 0 |
|---|---|
| ALL_Trailing_Dca_Buy | 0 |

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| ALL_Trailing_Profit | 0 |
|---|---|

| ----------Indikator Parameter-------------------- | ☑ |
| --- | --- |
| EMA_slow_length (Blue) | 24 |
| EMA_fast_length (Green) | 12 |
| EMA_cross_candles | 3 |
| SMA_slow_length (Blue) | 24 |
| SMA_fast_length (Green) | 12 |
| SMA_cross_candles | 3 |
| BB_sma | 20 |
| BB_std | 2 |
| RSI_length | 14 |
| STOCH_length | 14 |
| MACD_fast_length | 12 |
| MACD_slow_length | 24 |
| MACD_length | 9 |
| Stoch_RSI_lenght | 14 |
| Stoch_lenght | 14 |

The indicator parameters are essential for the calculation of the indicators for Buy, Sell and DCA

How the individual parameters give an indicator will not be described here. If necessary, it can be researched on the Internet.

Otherwise, the parameters are self-explanatory with their descriptions.

| -------------- Backtest Range -------------- | ☐ |
| --- | --- |
| From Month | 1 |
| From Day | 1 |
| From Year | 2018 |
| To Month | 1 |
| To Day | 1 |
| To Year | 10000 |

Here, the time range of the chart is determined, which is used by the strategy for the evaluation.

Plotting refers to the visualization of the different indicators on their behavior. They are marked in the chart if they are "True".

1-5 = 5 buy indicators

6 = Yellow mark in chart if all used buy indicators are "True"

7 = Orange mark in the chart if all DCA indicators used are "True"

8-10 = 3 DCA indicators

11 = display buy indicators as bars

12 = Display buy indicators as letters (the BUY indicators, which are "True", are written in the chart in all areas). This makes it much easier to recognize and set when an indicator is missing at a good entry point. The green letters represent the buy indicators and the orange letters the DCA buy indicators.

Note at the end:
If you notice any strange script behavior, it's often due to Tradingview.
Possible solutions are either adding the script again or restarting the browser completely.