



S-Trader





MO | Momentum Oscillator

Contents

Description	3
Formula	3
Parameters	3
Output value(s)	3
Plot	3
Quant Script™ Syntax	4
Dialogs	4
Chart Study Dialog	4
Sample Chart With Study	5
Quant Script™ Wizard Study Dialog	6
Quant Script™ Study Dialog	7



Description

Traditionally, the Momentum Oscillator compares the current price with the previous price from a selected number of periods ago. This indicator is similar to the "Rate of Change" indicator, but the MO does not normalize the price, so different instruments can have different indicator values based on their point values. However, in the S-Trader platform we have chosen to return normalized values, i.e. the formula returns the ratio between the current value and the value n periods ago as opposed to the difference between the current value and the value n periods ago.

Formula

Step 1: $MO = \text{Most Recent Value} / \text{Value n Periods ago}$.

Parameters

Source	Any price source (O, H, L, C, Vol, OI) or any other built-in or custom study
Periods	Any number of periods

Output value(s)

There is one output value resulting from the formula, the Momentum Oscillator Normalized.

Plot

The plot is in a separate panel at the bottom.

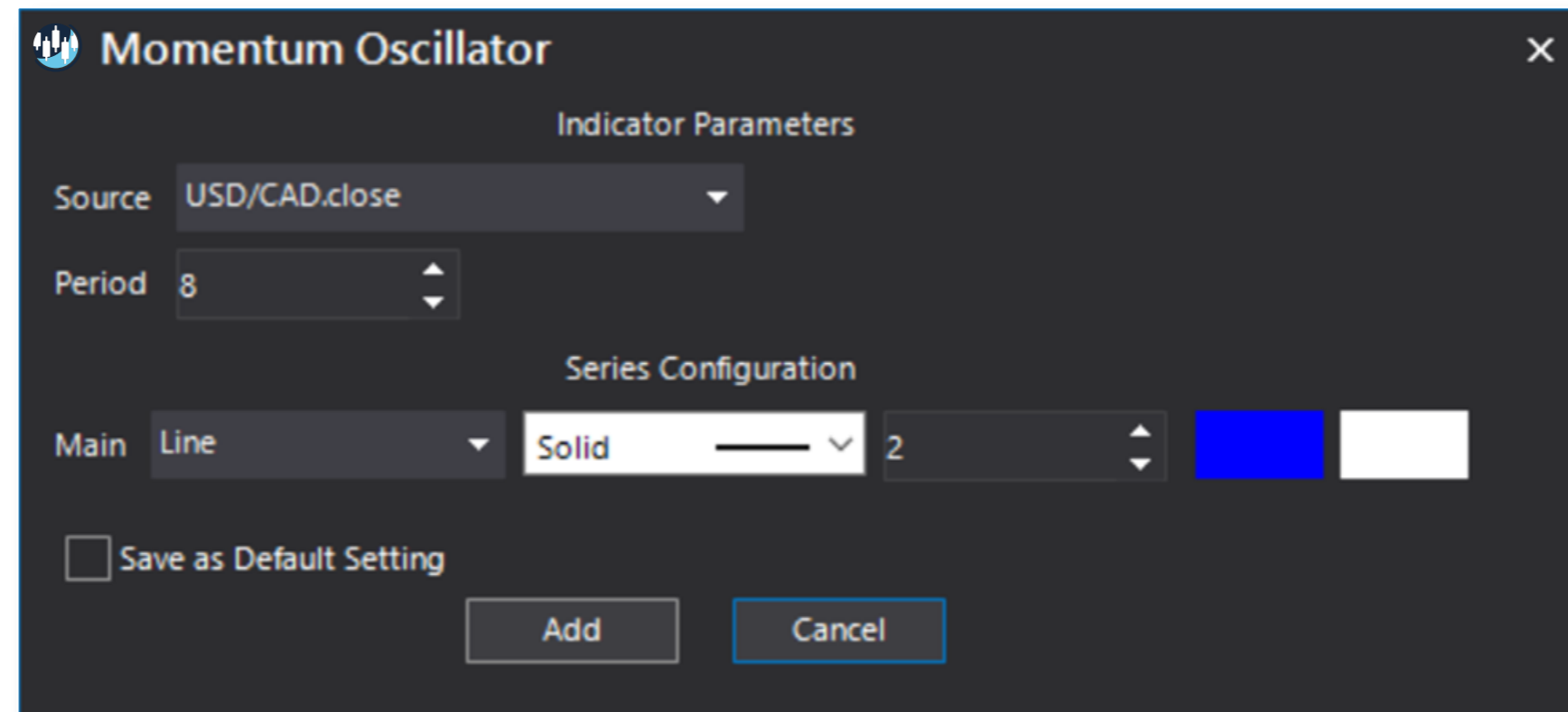


Quant Script™ Syntax

Short Form	<i>MO</i> (Source, Periods)
Long Form	<i>MomentumOscillator</i> (Source, Periods)

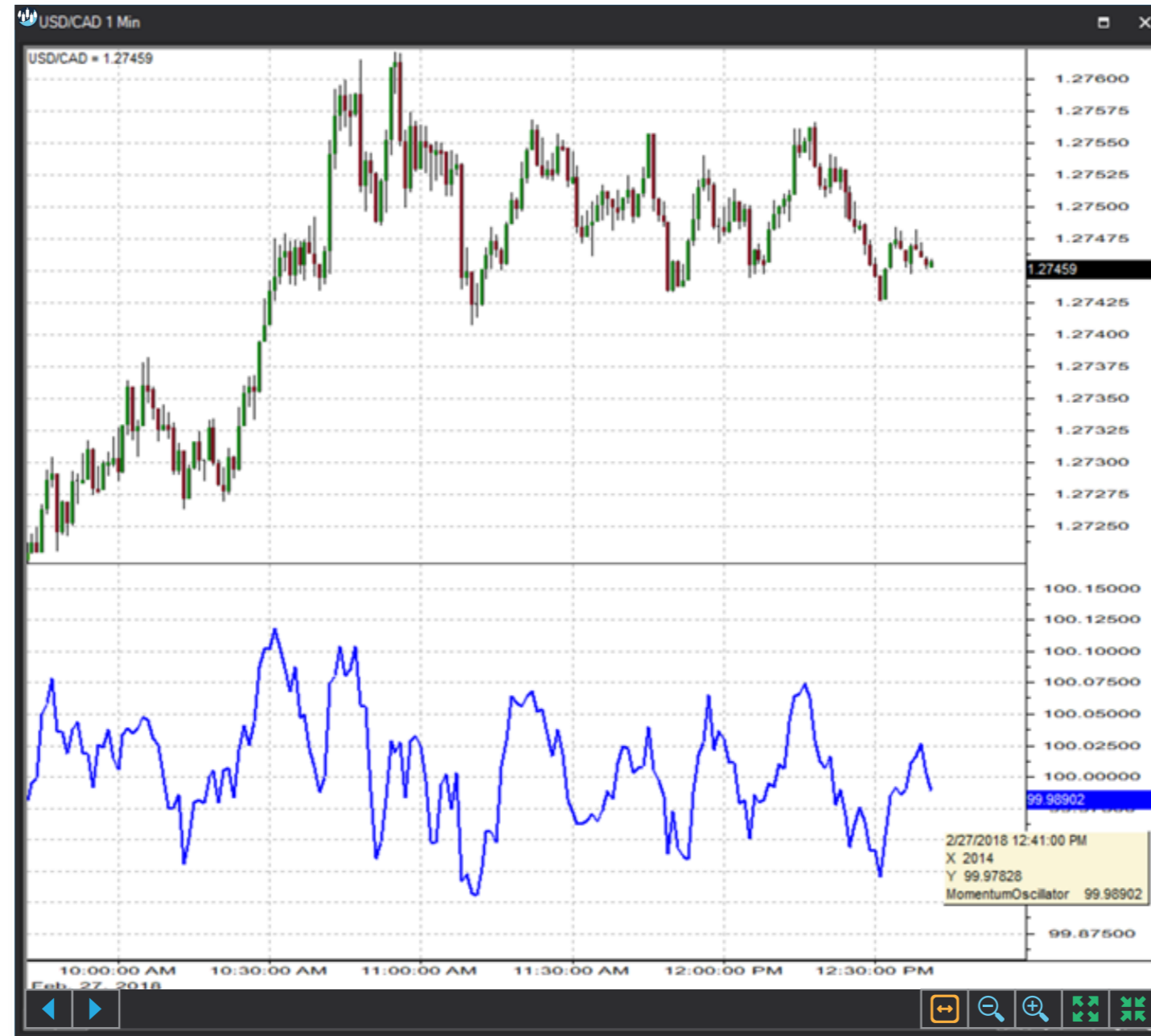
Dialogs

Chart Study Dialog





Sample Chart With Study





Quant Script™ Wizard Study Dialog

The image shows two overlapping dialog boxes from the S-Trader platform. The top dialog is the 'Custom Study Wizard' and the bottom one is the 'Add Variable' dialog.

Custom Study Wizard

- Save To Group: Default
- Custom Study Name: [Empty text box]
- Password: [Empty text box]
- Result: Line, Solid, 2, [Color swatches]
- Reverse_Result: Line, Solid, 2, [Color swatches]
- Add To New Panel:
- Buttons: Add New Variable, Edit Selected Variable
- Table headers: Name, Description

Add Variable

- Name: [Empty text box]
- Description: [Empty text box]
- Source: CLOSE
- Period: 8
- Buttons: Create Script Line, OK, Cancel

The 'Add Variable' dialog lists various technical indicators in a scrollable list:

- FCO
- FractalChaosOscillator
- IMI
- IntradayMomentumIndex
- MACD
- MACDH
- MACDHistogram
- MACDS
- MACDSignal
- MACDST
- MACDSTH
- MACDSTrader
- MACDSTraderHistogram
- MACDSTraderSignal
- MACDSTS
- MACDStudy
- MO
- MomentumOscillator




Quant Script™ Study Dialog


Custom Study Editor

Save To Group: 3_OSCILLATORS_PRICE A 13.25

Custom Study Name: MO

Password:

Result: Line Solid 2 

Reverse_Result: Line Solid 2 

Formula Add To New Panel

```
SET RESULT = MO(CLOSE, 8)
SET REVERSE_RESULT = MomentumOscillator(CLOSE, 8)
```

OK Cancel