



**S-Trader**





## VROC | Volume Rate Of Change

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## Description

The Volume Rate of Change (VROC) indicator is used to gauge the volatility in a security's volume. The volume rate of change is a powerful indicator when estimating a security's ability to push through key resistance. It is calculated the exact same way as the rate of change indicator except instead of tracking the closing price it tracks volume.

## Formula

$$\text{VROC} = (\text{Volume current period} - \text{Volume } n \text{ periods ago}) / \text{Volume } n \text{ periods ago}$$

## Parameters

### Periods

Any number of periods

## Output value(s)

There is one output value resulting from the formula, the Volume Rate Of Change.

## Plot

The plot is in a separate panel at the bottom.



## Quant Script™ Syntax

<b>Short Form</b>	<i>VROC</i> (Periods)
<b>Long Form</b>	<i>VolumeRateOfChange</i> (Periods)

## Dialogs

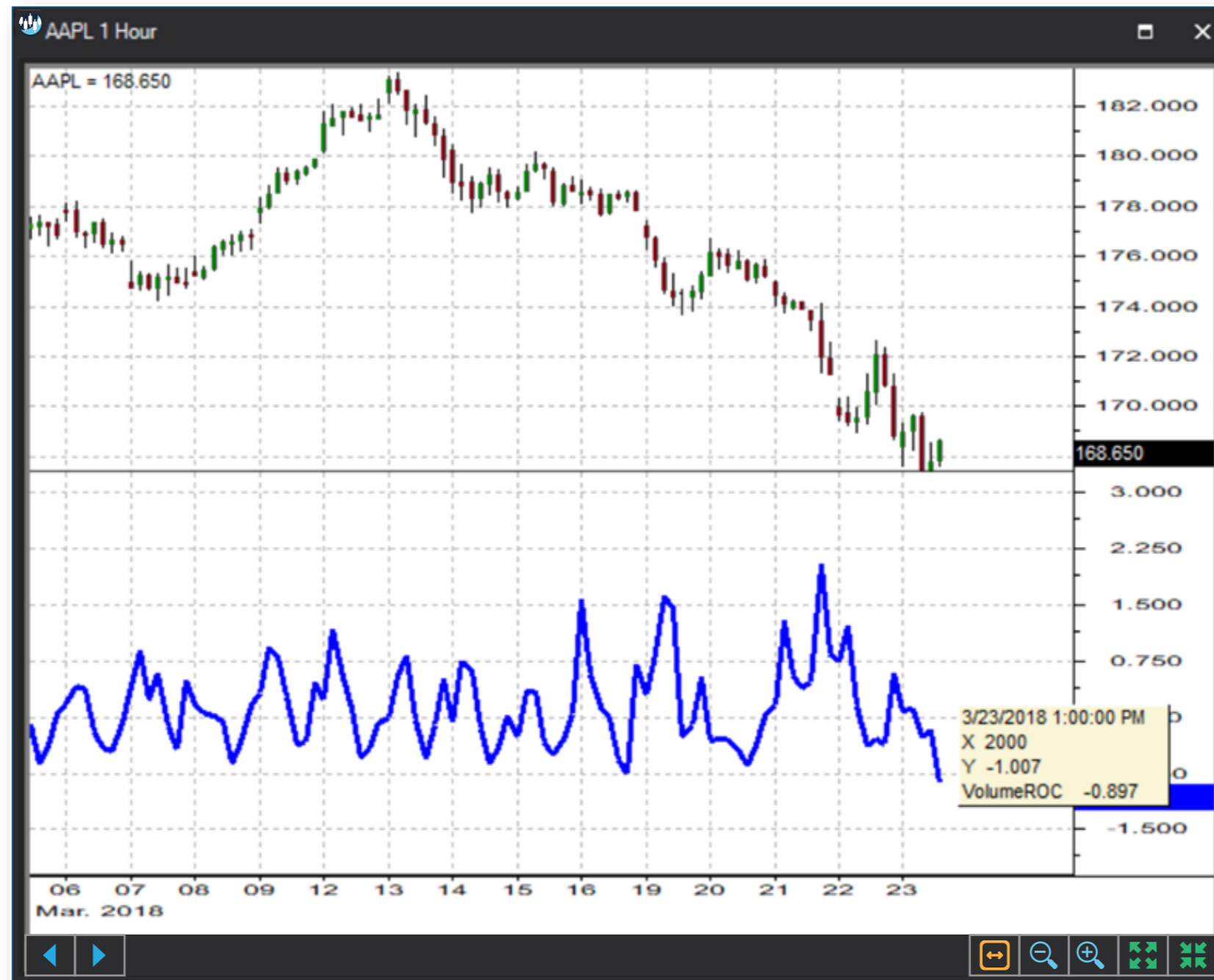
### Chart Study Dialog

The screenshot shows the 'Volume ROC' dialog box with the following settings:

- Indicator Parameters:**
  - Symbol: ESM8
  - Period: 5
- Series Configuration:**
  - Main: Line
  - Style: Solid
  - Width: 3
  - Color: Blue
  - Background: White
- Save as Default Setting
- Buttons: Add, Cancel



## Sample Chart With Study





## Quant Script™ Wizard Study Dialog

The image shows two overlapping dialog boxes in the S-Trader desktop platform. The background dialog is the 'Custom Study Wizard' and the foreground dialog is the 'Add Variable' dialog.

**Custom Study Wizard Dialog:**

- Save To Group: Default
- Custom Study Name: [Empty text field]
- Password: [Empty text field]
- Result: Line, Solid, 2, [Color swatches]
- Reverse\_Result: Line, Solid, 2, [Color swatches]
- Buttons: Add To New Panel (checked), Add New Variable, Edit Selected Variable
- Table with columns: Name, Description
- Buttons: OK, Cancel

**Add Variable Dialog:**

- Name: [Empty text field]
- Description: [Empty text area]
- Variable List: TVI, TwiggsMoneyFlow, VO, VOH, VolumeOscillator, VolumeOscillatorHistogram, VolumeOscillatorSignal, VolumeRateOfChange (selected), VOS, VROC, WAD, WilliamsAccumulationDistribution, WilliamsVariableAccDist, WWAD, Oscillators - Price, Primitive - Extremes, Primitive - Logical Operators, Primitive - Summation
- Period: 5
- Button: Create Script Line
- Text: VolumeRateOfChange(5)
- Buttons: OK, Cancel



## Quant Script™ Study Dialog

