



S-Trader



2673

14.86

12.28

8.81

2.11

12.07

15.76

2.63

7.87

10.97

21.72

12.59

6.98

3.15

5.28

1.62

2.11

3.09

1.95

8.45

4.52

1.11

1.51

2.58

1.53

+0.52%

+0.18%

+0.18%

+0.18%

+0.46%

20580

12734

2918

18775

10383

9487

28025

20580

12734

2918

2918

2.11

20.15

3.92

2.77

10.97

21.72

12.59

6.98

15.97

15.97

15.97

12.07

15.76

2.63

7.87

16.84

13.03

12.24

15.97

15.97

15.97

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3.09

1.95

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1.53



KVO | Klinger Volume Oscillator

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Description

Klinger Volume Oscillator, developed by Stephen Klinger, uses the typical price compared to the prior bar's typical price to assign volume a positive or negative value.

Formula

Step 1: Calculate TP = Typical Price = (High + Low + Close) / 3

Step 2: Determine Coefficient:

- If Current TP > Previous TP, 1
- If Current TP < Previous TP, -1

Step 3: Trend = Volume * Coefficient

Step 4: STMA = Short MA(Trend) based on the selected short cycle periods and short cycle MA Type

Step 5: LTMA = Long MA(Trend) based on the selected long cycle periods and long cycle MA Type

Step 6: KVO = STMA – LTMA

Step 7: KVO Signal = an MA of KVO based on selected KVO signal periods and MA Type

Step 8: KVO Histogram = KVO – KVO Signal

Parameters

Short Cycle Periods	Any number of periods
Short Cycle MA Type	Any available moving average type
Long Cycle Periods	Any number of periods



Long Cycle MA Type	Any available moving average type
Signal Periods	Any number of periods
Signal MA Type	Any available moving average type

Output value(s)

There are three output values resulting from the formula, the Klinger Volume Oscillator, the Klinger Volume Oscillator Signal and the Klinger Volume Oscillator Histogram.

Plot

The plot is in a separate panel at the bottom.

Quant Script™ Syntax

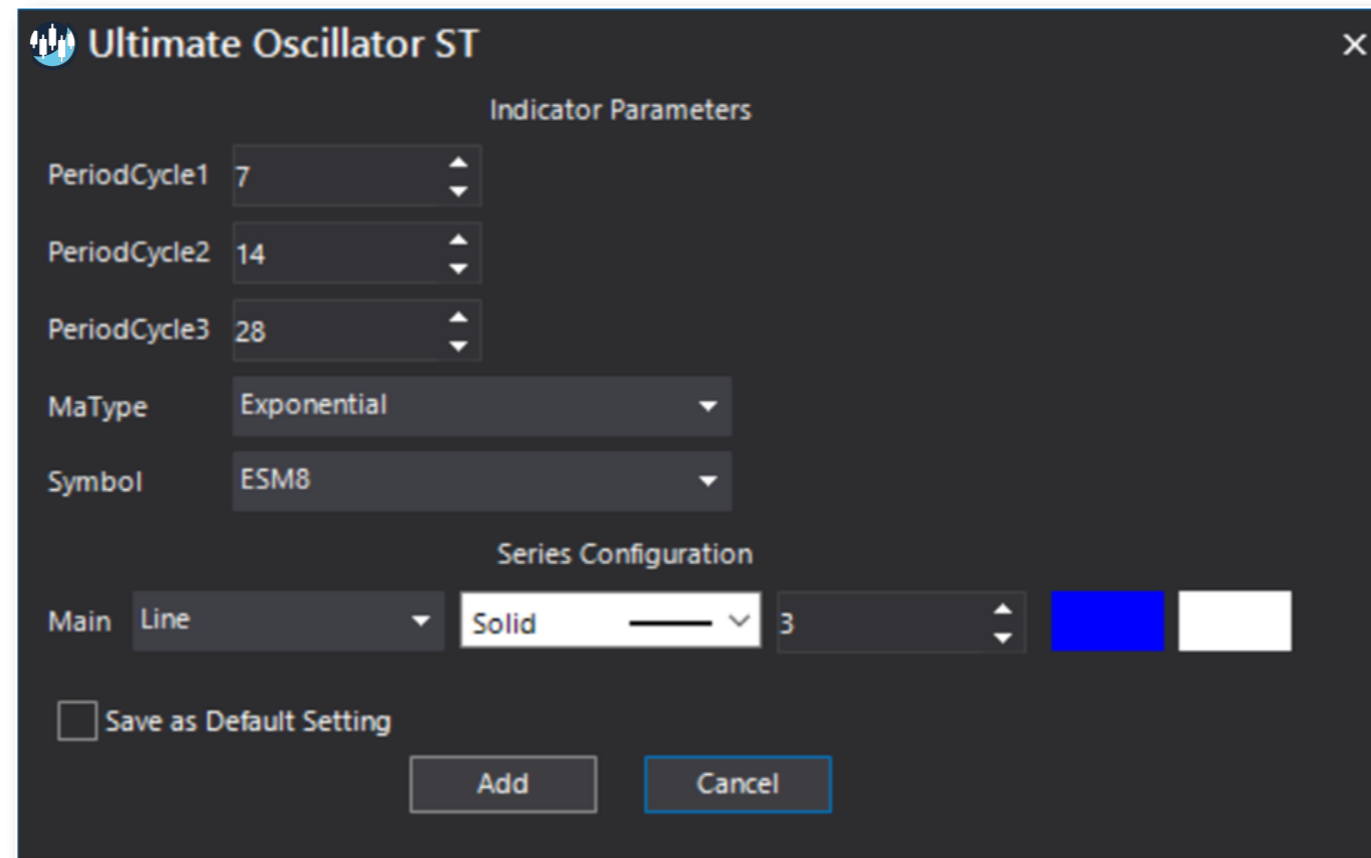
Short Form	<i>KVO</i> (Short Cycle Periods, Short Cycle MA Type, Long Cycle Periods, Long Cycle MA Type, Signal Periods, Signal MA Type)
	<i>KVOS</i> (Short Cycle Periods, Short Cycle MA Type, Long Cycle Periods, Long Cycle MA Type, Signal Periods, Signal MA Type)
	<i>KVOH</i> (Short Cycle Periods, Short Cycle MA Type, Long Cycle Periods, Long Cycle MA Type, Signal Periods, Signal MA Type)



Long Form	<i>KlingerVolumeOscillator</i> (Short Cycle Periods, Short Cycle MA Type, Long Cycle Periods, Long Cycle MA Type, Signal Periods, Signal MA Type)
	<i>KlingerVolumeOscillatorSignal</i> (Short Cycle Periods, Short Cycle MA Type, Long Cycle Periods, Long Cycle MA Type, Signal Periods, Signal MA Type)
	<i>KlingerVolumeOscillatorHistogram</i> (Short Cycle Periods, Short Cycle MA Type, Long Cycle Periods, Long Cycle MA Type, Signal Periods, Signal MA Type)

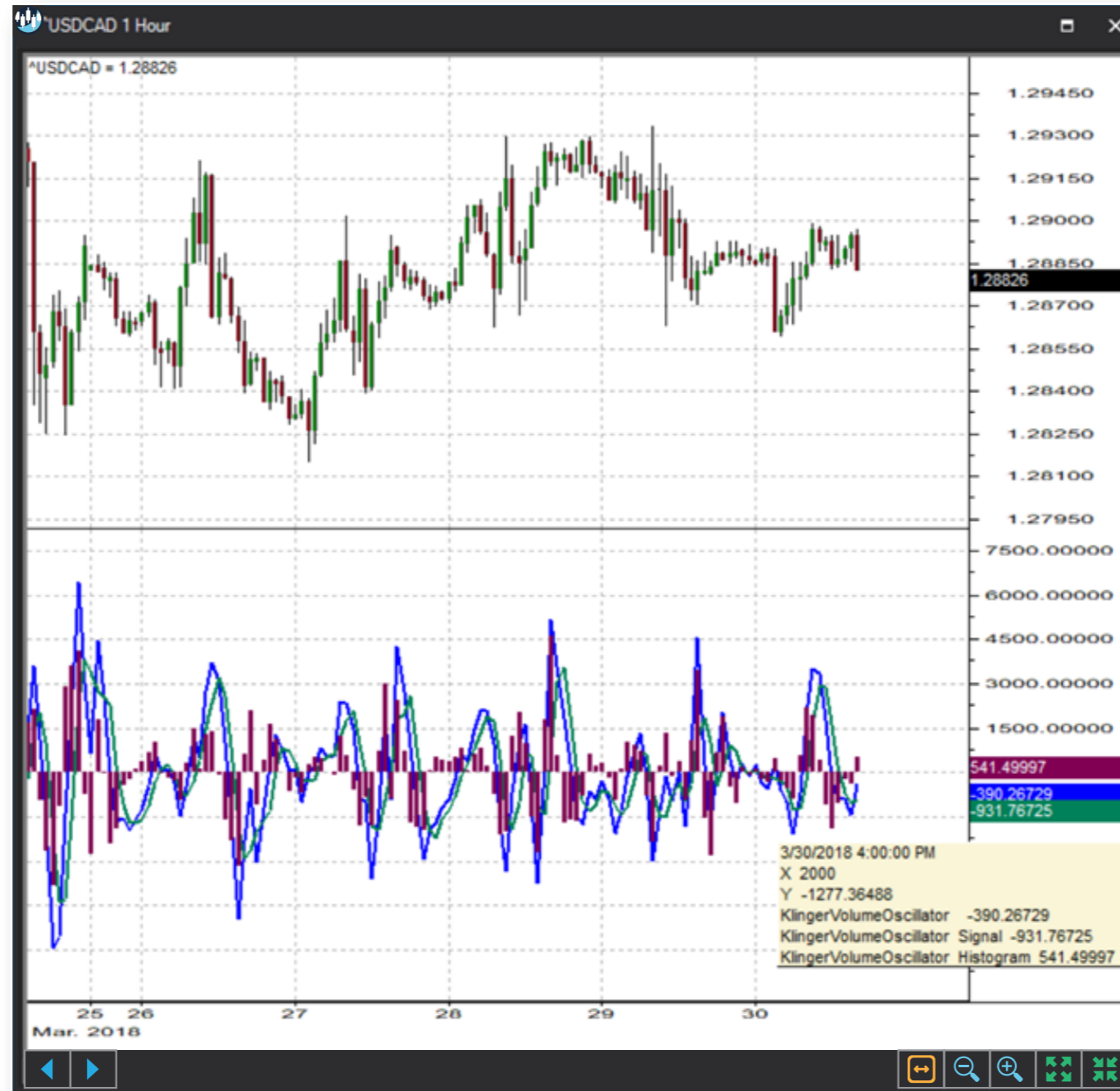
Dialogs

Chart Study Dialog





Sample Chart With Study





Quant Script™ Wizard Study Dialog

Custom Study Wizard

Save To Group: Default

Custom Study Name:

Password:

Result: Line, Solid, 2,

Reverse_Result: Line, Solid, 2,

Add To New Panel

Name	Description
------	-------------

Add Variable

Name:

Description:

- EaseOfMovement
- EFI
- ElderForceIndex
- EOM
- KlingerVolumeOscillator**
- KlingerVolumeOscillatorHistogram
- KlingerVolumeOscillatorSignal
- KVO
- KVOH
- KVOS
- MarketFacilitationIndex
- MFI
- MKTFI
- MoneyFlowIndex
- NegativeVolumeIndex
- NVI
- OBV
- OnBalanceVolume

PeriodShort: 5

MaTypeShort: Simple

PeriodLong: 8

MaTypeLong: Exponential

PeriodSignal: 3

MaTypeSignal: Simple

KlingerVolumeOscillator(5, Simple, 8, Exponential, 3, Simple)



Quant Script™ Study Dialog

Custom Study Editor

Save To Group: 4_OSCILLATORS_MONEY_FLC

Custom Study Name: KVOS

Password:

Result: Line, Solid, 2

Reverse_Result: Line, Solid, 2

Formula

```
SET RESULT = KVO(5, SIMPLE, 8, EXPONENTIAL, 3, SIMPLE)
SET REVERSE_RESULT = KlingerVolumeOscillator(5, SIMPLE, 8, EXPONENTIAL, 3, SIMPLE)

SET RESULT = KVOS(5, SIMPLE, 8, EXPONENTIAL, 3, SIMPLE)
SET REVERSE_RESULT = KlingerVolumeOscillatorSignal(5, SIMPLE, 8, EXPONENTIAL, 3, SIMPLE)

SET RESULT = KVOH(5, SIMPLE, 8, EXPONENTIAL, 3, SIMPLE)
SET REVERSE_RESULT = KlingerVolumeOscillatorHistogram(5, SIMPLE, 8, EXPONENTIAL, 3, SIMPLE)
```

OK Cancel