



S-Trader





WPR | Williams Pct R

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Description

Developed by Larry Williams, Williams %R is a momentum indicator that is the inverse of the Fast Stochastic Oscillator. Also referred to as %R, Williams %R reflects the level of the close relative to the highest high for the look-back period. In contrast, the Stochastic Oscillator reflects the level of the close relative to the lowest low. %R corrects for the inversion by multiplying the raw value by -100. As a result, the Fast Stochastic Oscillator and Williams %R produce the exact same lines, only the scaling is different. Williams %R oscillates from 0 to -100. Readings from 0 to -20 are considered overbought. Readings from -80 to -100 are considered oversold. Unsurprisingly, signals derived from the Stochastic Oscillator are also applicable to Williams %R.

Formula

$$\%R = (-100) * (\text{Highest High} - \text{Close}) / (\text{Highest High} - \text{Lowest Low})$$

Parameters

Periods

Any number of smoothing levels

Output value(s)

There is one output value resulting from the formula, the Williams Pct R.

Plot

The plot is in a separate panel at the bottom.

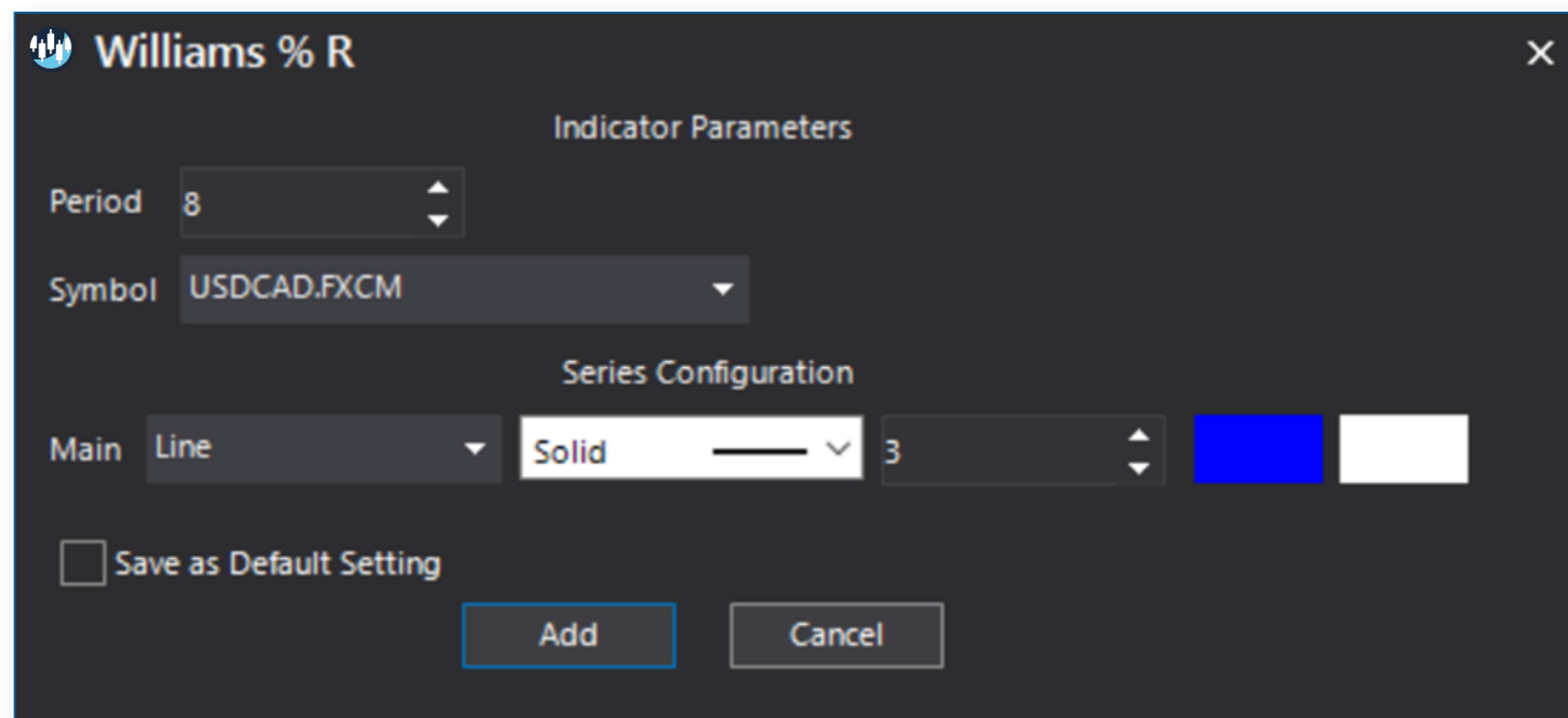


Quant Script™ Syntax

Short Form	<i>WPR</i> (Periods)
Long Form	<i>WilliamsPctR</i> (Periods)

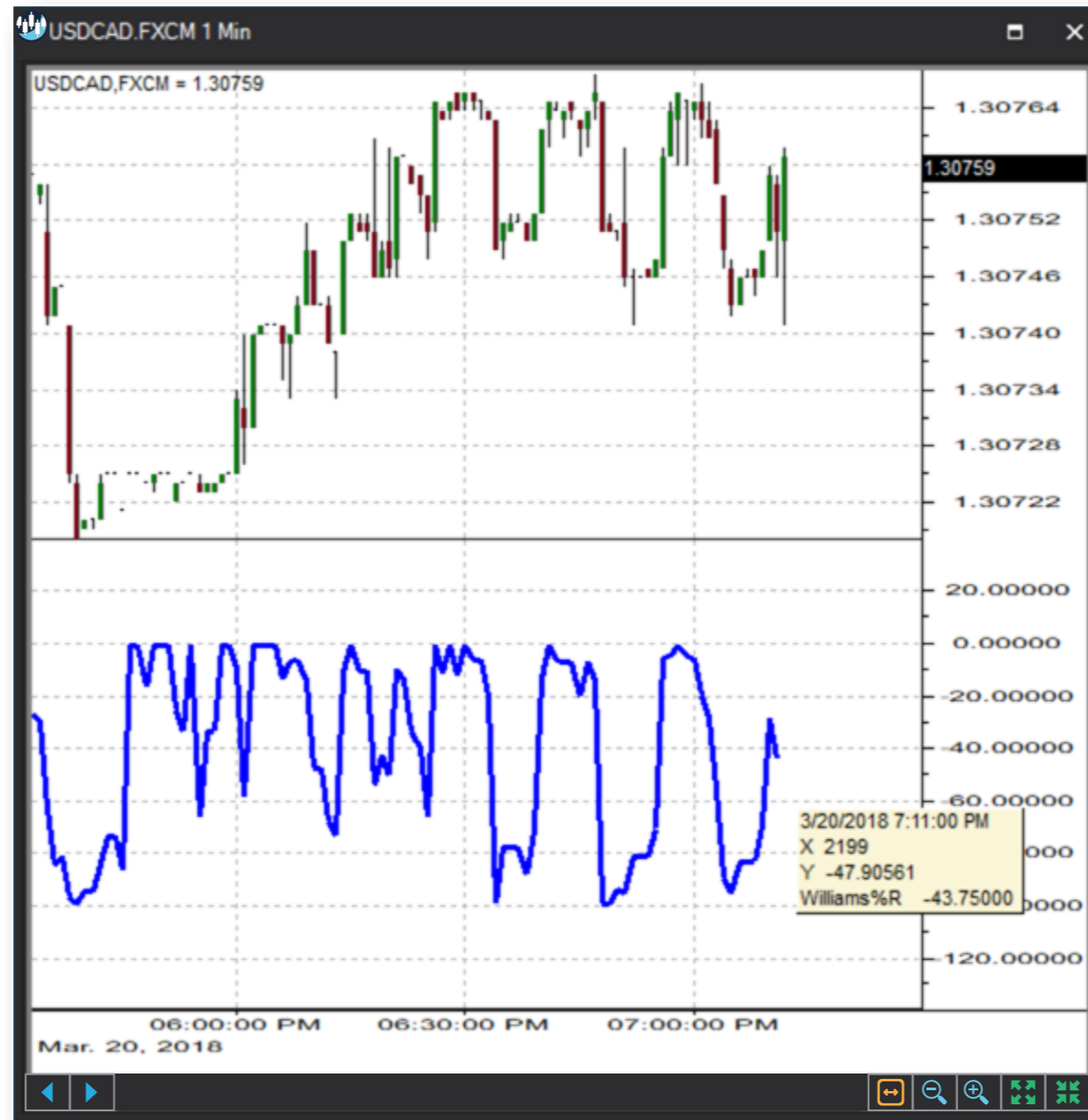
Dialogs

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 'Custom Study Wizard' dialog is on the left, and the 'Add Variable' dialog is on the right.

Custom Study Wizard

- 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]
- Add To New Panel:
- Buttons: Add New Variable, Edit Selected Variable
- Table with columns: Name, Description
- Buttons: OK, Cancel

Add Variable

- Name: [Empty text field]
- Description: [Empty text field]
- Variable List:
 - StochasticMomentumIndexU
 - StochasticMomentumIndexK
 - StochasticOscillatorPCTD
 - StochasticOscillatorPCTDST
 - StochasticOscillatorPCTK
 - StochasticOscillatorPCTKST
 - TrueStrengthIndex
 - TrueStrengthIndexSmooth
 - TSI
 - TSIS
 - UltimateOscillator
 - UO
 - WilliamsPctR
 - WPR
 - Primitive - Extremes
 - Primitive - Logical Operators
 - Primitive - Summation
 - Primitive - Trend
- Period: 8
- Buttons: Create Script Line, OK, Cancel



Quant Script™ Study Dialog

Custom Study Editor [X]

Save To Group: 3_OSCILLATORS_PRICE [A] 14.00

Custom Study Name: WPR

Password: []

Result: Line [Solid] 2 [Color: Teal]

Reverse_Result: Line [Solid] 2 [Color: Purple]

Formula: `SET RESULT = WPR(8)`
`SET REVERSE_RESULT = WilliamsPctR(8)` [Add To New Panel]

[OK] [Cancel]