



## Product sheet

# *itcVwap*

### *Description:*

---

itcVwap is an indicator for monthly, weekly and daily VWAP calculation. VWAP is an indicator representing fair price of a financial instrument. This is the Volume Weighted Average Price. The VWAP mean price is often used by institutional traders as a reference.

It is considered that if price goes away from VWAP and reaches the 3<sup>rd</sup> deviation then there is a high probability that price will go back to the VWAP mean price.

The indicator draws the VWAP (center line) and the standard deviations (4 upper deviations and 4 lower deviations). One can apply the multipliers he wants to the deviations. Usually multipliers are 1.0, 2.0, 3.0, 4.0.

We use 2.0, 2.66, 3.0 and 4.0. The 2.66 multiplier represents a 2:0 Reward to Risk ratio if you enter at this price level, with a profit target at the VWAP and a stop loss at the 4<sup>th</sup> deviation.

**Platform:** NinjaTrader 8, **Version of indicator:** 1.8

## *Inputs:*

---

Please find hereafter a description of each input of the indicator (Properties):

**Session duration** (Monthly/Weekly/Daily): type of session to be used for the calculations of the indicator

**MultiStdDev1**: multiplier 1 for the standard deviation, default value 2.0

**MultiStdDev2**: multiplier 2 for the standard deviation, default value 2.66

**MultiStdDev3**: multiplier 3 for the standard deviation, default value 3.0

**MultiStdDev4**: multiplier 4 for the standard deviation, default value 4.0

## *Instruments and Timeframes:*

---

VWAP can be calculated for any financial instrument.

For weekly sessions, daily and lower timeframes can be used.

For daily sessions, H4 and lower timeframes can be used.

For instance you can calculate VWAP based on a Weekly session with 30M candles.

The VWAP indicator can apply to a chart using a Data Serie with the TickReplay option set to on, but the indicator will draw as with OnBarClose option. TickReplay can be used with the indicator but calculation will be based on the close of bar.

The screenshot shows the 'Indicators' dialog box. On the left, there are two lists: 'Available' and 'Configured'. The 'Available' list contains: itcDeltaVolume, itcFootprint2, itcFootprintPlus, itcSessionHighLow, and itcVWAP. The 'Configured' list contains: itcVWAP(6E 09-19 (30 Minute), 1,2.66,3,4,W...). Below the lists are buttons for 'add', 'remove', 'up', and 'down'. The 'Properties' panel on the right is expanded to show the following settings:

- Parameters**
  - Session duration: Weekly
  - MultiStdDev1: 1
  - MultiStdDev2: 2.66
  - MultiStdDev3: 3
  - MultiStdDev4: 4
- Data Series**
  - Input series: 6E 09-19 (30 Minute)
- Set up**
  - Calculate: On bar close
  - Label: itcVWAP
  - Maximum bars look back: 256

At the bottom of the dialog are 'OK', 'Cancel', and 'Apply' buttons.

The screenshot shows the 'Data Series' dialog box. At the top, the 'Instrument' is set to '6E 09-19' and the 'Load template only (layout, indicators, and style)' is set to '<None>'. The 'Applied' list contains: 6E 09-19 (30 Minute). The 'Properties' panel on the right is expanded to show the following settings:

- Data Series**
  - Price based on: Last
  - Type: Minute
  - Value: 30
  - Tick Replay:
- Time frame**
  - Load data based on: Days
  - Days to load: 21
  - End date: 06/27/2019
  - Trading hours: <Use instrument settings>
  - Break at EOD:

## *Programming interface:*

---

**itcVwap** can be used to program strategies with NinjaScript (NinjaTrader 8 trading platform). Our indicator was designed to simplify programming. We provide access to VWAP data series over functions available for the indicator.

double **GetVwap**(int barsIndex) : retrieves VWAP value for the absolute index given as input

double **GetUpperDev1**(int barsIndex) : retrieves upper deviation 1 value for the absolute index given as input

double **GetUpperDev2**(int barsIndex) : retrieves upper deviation 2 value for the absolute index given as input

double **GetUpperDev3**(int barsIndex) : retrieves upper deviation 3 value for the absolute index given as input

double **GetUpperDev4**(int barsIndex) : retrieves upper deviation 4 value for the absolute index given as input

double **GetLowerDev1**(int barsIndex) : retrieves lower deviation 1 value for the absolute index given as input

double **GetLowerDev2**(int barsIndex) : retrieves lower deviation 2 value for the absolute index given as input

double **GetLowerDev3**(int barsIndex) : retrieves lower deviation 3 value for the absolute index given as input

double **GetLowerDev4**(int barsIndex) : retrieves lower deviation 4 value for the absolute index given as input

Make sure to call the functions with a valid barsIndex value. Refer to NinjaTrader technical documentation for more information about working with NinjaScript and indicators.

For more information about programming with NinjaTrader 8 platform please read the online help :

<https://ninjatrade.com/support/helpGuides/nt8/en-us/>

## Screenshots:



## *Delivery:*

---

Our product can be downloaded from our website: <http://www.orderflow-trader.com/vwap.php>

To be able to use the product you need to get a valid license.

We use NinjaTrader Vendor Licensing system to manage customer licenses.

Please follow the steps below to get your valid license:

-Please connect to the product web page,

-Send payment over Skrill or Neteller,

-Send details of your payment to: [contact@orderflow-trader.com](mailto:contact@orderflow-trader.com)

-Use the 3<sup>rd</sup> Party Licensing utility (**Help menu**) from NinjaTrader 8 to generate your Machine ID with vendor name **RenaudCANDEL** (with no space in the name),

-Send your Machine ID to: [contact@orderflow-trader.com](mailto:contact@orderflow-trader.com)

-Once we receive complete payment proof and your Machine ID then we generate the license for you, and will advise you over email that we successfully managed your order,

-Download the software from the product web page as a NinjaTrader assembly (zip file),

-Import the zip file with the **Ninja Script Add On** utility (**Tools > Import menu from NinjaTrader 8**)

-Watch video explaining how to import Add On : <https://www.youtube.com/watch?v=6Rshaguo1Q8>

## *Contact:*

---

For any problem or request for information, please feel free to contact us.

For sales inquiries: [contact@orderflow-trader.com](mailto:contact@orderflow-trader.com)

For technical support: [support@orderflow-trader.com](mailto:support@orderflow-trader.com)

From Monday to Thursday, 8:00 AM GMT-4 to 18:00 PM GMT-4

Friday, from 8:00 AM GMT-4 to 12:00 PM GMT-4

For more information about NinjaTrader 8 platform, feel free to visit following web page:

<https://ninjatrade.com/Help-Connection-Guides>