



Are you investigator of the market?

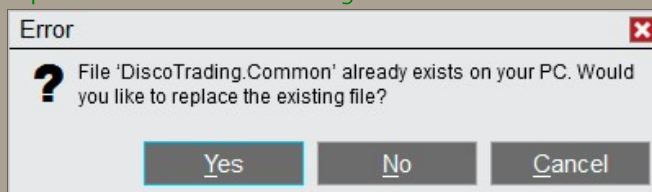
If so, this tool might be interesting for you. It will allow you to monitor trading activity through the speed of trade executions (aka ticks). In point of fact, it provides another supplementary way to analyze the tape in the handy manner. That will be useful for a day trader when decomposing and reviewing such things as stop runs, traps, micro climaxes before reversals, bots activity etc.

Add-on [Installation/Update](#)

It is recommended to use the standard way to remove/install add-ons in NinjaTrader. The most recent versions of all add-ons are always available to download from the [homepage](#).

1. Remove previous assembly if you have one installed:
 - Run your NinjaTrader, go to the 'Tools' menu and click 'Remove NinjaScript Assembly...' menu item.
 - In the list of installed assemblies appeared select the indicator you wish to update and press 'Remove' button.
2. Restart NinjaTrader.
3. Download the latest assembly (.zip file) from this page, from the [homepage](#) or request a direct link by email.
4. Install downloaded assembly:
 - Go to "Tools" → "Import" → "NinjaScript Add-On...", select downloaded .zip file and press "Open". Then if the installation was correct you will see the success message.
 - Restart NinjaTrader!

Note: Various Dt add-ons are relying on the same "DiscoTrading.Common.dll" library. NinjaScript Assembly contains the most recent version of the library, so you have to click 'Yes' when asked for replacement of the file during installation.



Remember, it is required to **restart NinjaTrader after add-on installation** before you can add a just installed indicator to a chart.

Features

- The Flow Speed indicator can work on different timeframes: Minutes, Ticks, Range, Renko etc.
- The indicator has an advanced filtering abilities both by size and by trade side that make possible to dissect measurement of the order flow speed by specific groups of trades/ticks. So, for example, it can show the speed of orders executed at the bid and ask sides separately, and in addition, taking into account only those of them that have a size larger than some predefined value.
- The indicator uses an adaptive statistical approach of detection an unusually high or low speed of executions that allows to detect and show unusual trading activity in different market conditions.
- The order flow speed is represented by a specially designed histogram that enables convenient observation of different speed-related metrics in one place. All histogram elements are customizable. Besides, an unusual speed rate can be shown on the price chart using 'painting on bars' feature.

Settings

General Parameters

- **1. Data cumulation Min Time Interval (ms).** The time interval that uses as the minimum time step of data cumulation for the order flow speed calculations. In the common meaning this parameter can be seen as the minimal very first averaging time interval. The value of 1000 ms (1 sec) is suitable in most cases and you do not need to change it.

Despite of that since 2009 the CME has been translating trade events (aka ticks or executions) appending timestamp with the milliseconds, the NinjaTrader truncates time stamps and stores the tick data with accuracy of one second. Thus, the use of the parameter with a value less than 1000 makes no sense.

- **2. Filter: Trade Size.** Set to zero (0) if you aren't going to apply any filtering by trade size.
- **3. Filter: Size Filtering Mode.** There are two modes of the filtering by size:
 - *OnlyLargerThan.* This mode will force the indicator to take into account only trades with a size that is greater than 'Filter: Trade Size' value.
 - *OnlySmallerThan.* This mode will force the indicator to take into account only trades that have a size smaller than 'Filter: Trade Size' value.
- **4. Filter: Filtering Mode by Side.** There are three modes of the filtering by trade side:
 - *NoFiltering.* Trades at any side will be considered in the order flow speed calculations.
 - *AtBidOnly.* Only trades at the bid side (initiative selling) will be taken into account in the speed calculations.
 - *AtAskOnly.* Only trades at the ask side (initiative buying) will be taken into account in the speed calculations.
- **5. Standard Deviation Period.** The period is given in the number of bars and used for statistical data computations.
- **6. Exceeding Speed Threshold.** The threshold value determines the sensitivity of spike detection in the orderflow speed: the larger the threshold value the less sensitivity. It is given in the number of standard deviations.
- **7. Heightened Avg Speed Threshold.** This threshold value determines the sensitivity of detection of exceedingly high or low average speed: the larger the threshold value the less sensitivity. And it also is given in the number of standard deviations

Depending on your chart timeframe the Flow Speed indicator may produce too frequent or too sparse indications of speed excess. So, if you use a very short timeframe you may need to increase the *Standard Deviation Period* or/and the *Cumulation Time Interval* value.



Visual Appearance

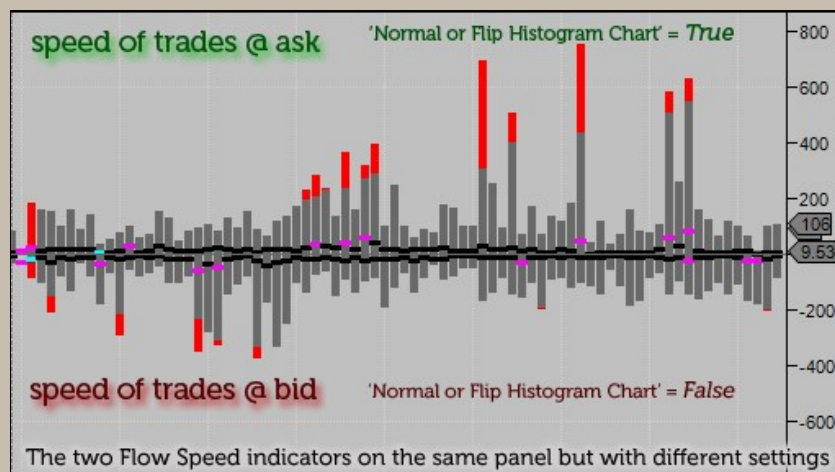
The variety of appearance settings is meant for emphasizing the metrics you really interested in as well as for diverting attention from the insignificant ones.



- 1. **Normal or Flip Histogram Chart.** Defines whether histogram will be plotted above (true) or below (false) zero line.

Tip

Using this setting you can place the two Flow Speed indicator instances with different parameters on one panel.



- 2. **Bar Width.** Defines the width of histogram bars. Set to zero (0) if you want to use the same width as for the price bars.
- 3. **Marker Thickness.** Thickness of 'Average Speed of Bar' markers.
- 4. **Increased Bar Color.**
- 5. **Decreased Bar Color.**
- 6. **Neutral Bar Color.**
- 7. **Color of Tip of Exceeding Speed Bar.** Color of the Tip of a histogram bar when the orderflow speed on the bar is exceeding.

- **8. Color of Tip of Reduced Speed Bar.** Color of the Tip of a histogram bar when the orderflow speed on the bar is reduced.
- **9. Color of Exceeding Low.** Color of the bottom Tip of a histogram bar when the lowest speed on the bar is above the average speed.
- **10. Marker of Normal Avg Speed of Bar.** Color of Marker of the per-bar average orderflow speed when this average speed is in normal range (std. dev.)
- **11. Marker of Heightened Avg Speed of Bar.** Color of Marker of the per-bar average orderflow speed when this average speed is heightened relative to its normal range (std. dev.)
- **12. Marker of Reduced Avg Speed of Bar.** Color of Marker of the per-bar average orderflow speed when this average speed is reduced relative to its normal range (std. dev.)
- **13. Zero Line Color.** Color of zero line.
- **14. Use Color Painting on Price Chart.** Use price bars/candles painting by the custom colors.
- **15. Exceeding Speed Color.** Color for candles with exceeding orderflow speed.
- **16. Very Exceeding Speed Color.** Color for candles with very exceeding orderflow speed (at least two of the orderflow speed metrics, such as, for instance, speed high and average speed, must exceed its normal ranges).
- **17. Low Speed Color.** Color for candles with a relatively low orderflow speed.

Please, download and try the add-on before buying. Evaluation period is 14 days.

 [download](#)