

Voltic

The Voltic indicator monitors the tick velocity over a selected period and highlights when the velocity increases significantly compared to the preceding period. This increase in trade speed often indicates the presence of institutional activity. It's important to watch for Voltic indications around key price levels on the chart, particularly when we see a cluster of Voltic signals appear together. For each case where accelerated trading is identified, the indicator displays the ratio of trade volume at the ask compared to trade volume at the bid. If the volume at the ask is greater, then the ratio of Ask Volume/Bid Volume will be shown as a positive value in the ask dominant color. If the bid volume is greater, the ratio Bid Volume/Ask Volume will be displayed as a negative value in the bid dominant color.

Note – the Voltic indicator will automatically open a tick chart, which is used to perform the calculation of tick speed over a certain period. This tick chart will be automatically closed when the Voltic indicator is removed from the main chart.

Parameters

Input Name	Input Value
Number of Ticks (In:1)	1
Number of seconds (In:2)	30
Threshold percentage (In:3)	100
Number of bars for Threshold check (In:4)	10
Use alerts (Y/N)? (In:5)	Yes
Alert sound for Threshold 1 (In:6)	1
Alert sound for Threshold 2 (In:7)	2
Alert sound for Threshold 3 (In:8)	3
Show Velocity data? (In:18)	Yes
Text Horizontal Offset (In:19)	1
Text Vertical Offset (In:20)	100
Bid Dominant Color (In:21)	R: 255, G: 0, B: 255
Ask Dominant Color (In:22)	R: 255, G: 255, B: 0

- **Number of Ticks.** The Voltic indicator calculates tick velocity by accessing a tick chart (opened automatically by the indicator) and checking how many ticks are recorded within a given time period. This parameter identifies the period of tick chart to be used in the calculation. A value of 20 means that a 20 tick chart will be used.
The lower the number, the more precise the calculation of tick velocity will be, but lower values also mean that the tick chart will take longer to load, so try to achieve a reasonable balance. Default value:20.
- **Number of seconds** – This is the period over which the indicator counts the number of ticks arriving in order to calculate the velocity. Default value : 30.
- **Threshold percentage** – This is the percentage by which the current tick velocity must exceed the average tick velocity in order to qualify as a significant increase. A value of 100 means that the current velocity must be at least 100% greater than the average, i.e. at least double the average value.

Note: There are three threshold levels displayed by the indicator. Level 1 relates to the base Threshold Percentage defined in this parameter. Level 2 is three times the base threshold and Level 3 is five times the base threshold.

- Number of bars for threshold check – This parameter determines over how many preceding bars on the main chart, the average tick velocity is calculated in order to form the basis for the threshold check.

Note: In the time that it takes a given chart bar to form, the tick velocity will vary, but the indicator takes the maximum velocity achieved during the bar's formation as the value for that bar, and does the same for each bar in the check period. So, if the number of bars is set to 10, it will take the maximum tick velocity in each of those 10 bars in order to calculate the average velocity for the check period. Likewise, it will use the maximum tick velocity of the current bar to compare with that average velocity in order to determine whether the threshold has been breached.

- Use alerts (Y/N)? – Set to Y if an alert is to be displayed in the Alerts Log whenever the velocity threshold is breached.
- Alert Sound for Threshold 1/2/3 – if alerts are being used, a different alert sound can be assigned to a breach of each threshold level.
- Show Velocity Data? If set to Y, the indicator will display the three values: the current tick velocity, the maximum tick velocity achieved on this bar and the average tick velocity in the preceding number of bars as specified in the Number of bars for threshold check parameter.
- Text Horizontal Offset – this parameter is used only if Show Velocity Data is set to Y. The offset value is in the range 1 to 100, where 1 is the left margin of the chart window and 100 is the right margin of the chart window. A value of 50 would place the text in the middle of the chart window.
- Text Vertical Offset - this parameter is used only if Show Velocity Data is set to Y. The offset value is in the range 1 to 100, where 1 is the bottom margin of the chart window and 100 is the top margin of the chart window. A value of 50 would place the text in the middle of the chart window.
- Bid Color – when the indicator displays the ratio of bid volume to ask volume during the period of accelerated trading, this color will be used when the bid volume is greater than the ask volume. The value is also displayed as a negative number.
- Ask Color - when the indicator displays the ratio of bid volume to ask volume during the period of accelerated trading, this color will be used when the ask volume is greater than the bid volume. The value is displayed as a positive number.

