



Speedometer Indicator

Tape-Speed Gauge for NinjaTrader 8*

Version 1.0.0.0 | Tradebrary

Overview

The **Speedometer** is a live, on-chart gauge that shows you how fast the tape is moving at a glance — no need to watch raw Time & Sales. It displays two independent needles on a single dial:

- **TICKS/SEC** **Green needle** — trade prints per second (how fast the tape is printing).
- **BARS/MIN** **Orange needle** — bars formed in the last 60 seconds (how fast bars are building).

The gauge face glows yellow as activity rises, and the top of the dial has a red “redline” zone, so a busy tape is obvious from across the room. It is a **real-time** tool: the needles move with incoming market data and require a live (or simulated) data feed.



Quiet tape — the face stays clear



Fast tape — the face glows yellow as activity rises

Installation

1. Open NinjaTrader 8
2. Go to **Tools** → **Import** → **NinjaScript Add-On...**
3. Browse to and select the `TbSpeedometer.zip` file
4. Click **OK** to import — the indicator compiles automatically
5. Add to a chart: right-click chart → **Indicators...** → **TbSpeedometer**

Tip: Because the gauge measures live activity, you'll see the needles move only when the market is open (or when replaying/simulating data). On a quiet or historical chart the needles rest near zero.

The Two Needles

TICKS/SEC

Green Needle — Tape Speed

Counts **Last-trade prints per second**, averaged over the **Ticks Window** you set (default 5 seconds). This is a direct measure of how fast the tape is printing and works on **any chart type**, because it is driven by market data, not by bars.

- A **shorter** Ticks Window makes the needle twitchier and more responsive.
- A **longer** Ticks Window smooths it out.

BARS/MIN

Orange Needle — Bar Build Rate

Counts how many **bars formed in the last 60 seconds** (always a fixed 60-second window). This tells you how quickly your chart is building new bars.

Important — Bars/min is only meaningful on activity-based charts. On **Renko, Range, Tick, or Volume** charts, bars form based on price movement or volume, so the bar rate genuinely reflects market speed. On a **time-based** chart (e.g. a 1-minute chart) bars form on a fixed clock, so this needle is essentially constant and is **not applicable** — rely on the green Ticks/sec needle instead.

Reading the Dial

- **Yellow glow:** the face brightens as the Ticks/sec needle climbs — transparent when idle, strong yellow at full scale.
- **Redline zone:** the red band over the top ~30% of the dial marks an unusually fast tape.
- **Readout text** (optional): Ticks/s and Bars/min values are printed below the gauge, color-matched to each needle.
- **Slider** (optional): a drag bar below the gauge that sets **Max Ticks/sec** on the fly (see below).

Adjusting the Scale

Each needle is scaled to its own full-scale value — the reading that puts the needle at the far right (full angle). Tune these so a typical-to-fast market uses most of the dial:

- **Max Ticks/sec** — full-scale for the green needle. Set it near the fast end of what your instrument normally prints.
- **Max Bars/min** — full-scale for the orange needle (use only on Renko/Range/Tick/Volume charts, as noted above).

The Slider

When **Show Slider** is on, drag the handle below the gauge to change **Max Ticks/sec** live, without opening settings — handy for quickly re-scaling as conditions change. The label reads Max T/s: N .

- The slider runs from 0 up to **Max Slider Value**.
- Raising **Max Slider Value** widens the slider's range, which in turn raises the maximum full-scale value the needle can represent at full angle.

Settings & Parameters

The screenshot shows a settings panel with a dark background. It is organized into three main sections, each with a dropdown arrow and a title: 'Colors', 'Gauge', and 'Scale'. Under 'Colors', there are two rows: 'Ticks Needle Color' with a green color swatch and hex code '#FF00FF00', and 'Bars Needle Color' with an orange color swatch and hex code '#FFFA500'. Under 'Gauge', there are six rows: 'Radius (px)' with a text input '70', 'Corner' with a dropdown menu showing 'TopRight', 'Offset X (px)' with a text input '15', 'Offset Y (px)' with a text input '15', 'Ticks Window (sec)' with a text input '5', and two checkboxes for 'Show Text' (unchecked) and 'Show Slider' (checked). Under 'Scale', there are three rows: 'Max Ticks/sec' with a text input '15', 'Max Bars/min' with a text input '5', and 'Max Slider Value' with a text input '1000'.

The indicator settings, grouped into Colors, Gauge, and Scale

Gauge

Parameter	Default	Description
Radius (px)	80	Size of the gauge in pixels (20–500).
Corner	TopLeft	Which chart corner the gauge anchors to (TopLeft, TopRight, BottomLeft, BottomRight).
Offset X (px)	15	Horizontal margin from the chosen corner.
Offset Y (px)	15	Vertical margin from the chosen corner.
Ticks Window (sec)	5	Averaging window for the green Ticks/sec needle only. Bars/min always uses 60s.

Show Text	true	Show the Ticks/s and Bars/min readout below the gauge.
Show Slider	true	Show the drag slider that sets Max Ticks/sec.

Scale

Parameter	Default	Description
Max Ticks/sec	50	Full-scale value for the green needle.
Max Bars/min	60	Full-scale value for the orange needle (activity-based charts only).
Max Slider Value	1000	Upper bound of the slider, i.e. the highest Max Ticks/sec it can set.

Colors

Parameter	Default	Description
Ticks Needle Color	Green	Color of the Ticks/sec needle and its readout.
Bars Needle Color	Orange	Color of the Bars/min needle and its readout.

Tips

Tip 1: Calibrate Max Ticks/sec to your instrument. Watch the green needle during a few active minutes, then set Max Ticks/sec (or drag the slider) so a fast burst pushes the needle into the redline. Fast, liquid instruments need a much higher value than slow ones.

Tip 2: On time charts, hide or ignore the orange needle. Bars/min is constant on time-based charts. Either focus on the green needle, or run the Speedometer on a Renko/Range/Tick/Volume chart where the orange needle becomes meaningful.

Tip 3: Place it out of the way. Use **Corner** and the offsets to tuck the gauge into a corner that doesn't cover price action, and shrink **Radius** if you want it more compact.

Troubleshooting

Issue	Solution
Needles don't move	The gauge needs live data. Confirm the market is open (or you're replaying/simulating) and your data feed is connected.
Green needle pinned at full / stuck low	Adjust Max Ticks/sec (or the slider) to match your instrument's pace.
Orange needle looks meaningless	You're likely on a time-based chart. Bars/min only reflects speed on Renko/Range/Tick/Volume charts.
Slider won't drag	Ensure Show Slider is enabled; grab the round handle directly below the gauge.
Gauge not visible	Ensure the indicator is on a chart (not Market Analyzer) and the chosen corner/offsets place it within the panel.

License Activation

This indicator requires a valid license key to operate. Each license is tied to your computer's unique Machine ID. Activation takes just a few minutes:

How to Activate

Your purchase unlocks the Tradebrary indicators included in your order. To activate:

1. In the NinjaTrader **Control Center**, go to **Help** → **About** and copy your **Machine ID**.
2. Go to <https://tradebrary.com/activate>.
3. Paste in your **Whop license key** and your **Machine ID**, then click **Get My License Keys**.
4. The page returns **one key per indicator**. Copy the Speedometer key.
5. In the indicator settings, paste it into the **LicenseKey** field and click **OK**. The indicator now functions normally.

*(Your Machine ID is also shown in the indicator's own **2. License** section — it's the same value as Help → About.)*

Important: Each license key is tied to your computer's Machine ID, and your purchase covers up to 2 computers. If you reinstall NinjaTrader or switch computers, simply re-activate at <https://tradebrary.com/activate>. If you have reached your 2-device limit, contact support@tradebrary.com to free up a slot.

Support

For questions, issues, or feature requests:

- Email: support@tradebrary.com
- Website: tradebrary.com

Terms of Use / End User License Agreement

By purchasing and using the Speedometer indicator ("Software"), you agree to the following terms:

1. License Grant

Tradebrary grants you a **non-exclusive, non-transferable license** to use this Software on up to two (2) computers that you own or control. This license is for personal or internal business use only.

2. Restrictions

You may NOT:

- Redistribute, resell, lease, or sublicense the Software
- Share your license key with others
- Reverse engineer, decompile, or disassemble the Software
- Remove or alter any proprietary notices or labels
- Use the Software in any way that violates applicable laws
- Create derivative works based on the Software

3. Intellectual Property

The Software and all copies thereof are proprietary to Tradebrary and title remains with Tradebrary. All rights in the Software not specifically granted in this license are reserved to Tradebrary.

4. Disclaimer of Warranties

THE SOFTWARE IS PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NONINFRINGEMENT.

5. Limitation of Liability

IN NO EVENT SHALL TRADEBRARY BE LIABLE FOR ANY INDIRECT, INCIDENTAL, SPECIAL, CONSEQUENTIAL, OR PUNITIVE DAMAGES, INCLUDING BUT NOT LIMITED TO LOSS OF PROFITS, DATA, OR USE, ARISING OUT OF OR IN CONNECTION WITH THIS SOFTWARE OR YOUR USE THEREOF.

6. Trading Risk Disclaimer

Trading futures, options, and other financial instruments involves substantial risk of loss and is not suitable for all investors. The Software is a technical analysis tool and does not constitute investment advice. Past performance is not indicative of future results. You are solely responsible for your trading decisions.

7. Refund Policy

Due to the digital nature of this product, all sales are final. No refunds will be provided after license key generation. Please review all documentation before purchasing.

8. Termination

This license is effective until terminated. It will terminate automatically if you fail to comply with any term of this agreement. Upon termination, you must destroy all copies of the Software.

9. Governing Law

This agreement shall be governed by and construed in accordance with applicable laws.

By using this Software, you acknowledge that you have read, understood, and agree to be bound by these terms.

© 2026 Tradebrary. All rights reserved.

This indicator is provided as-is. Trading involves risk. Past performance does not guarantee future results.

*NinjaTrader® is a registered trademark of NinjaTrader Group, LLC.
We are not affiliated with NinjaTrader Group, LLC.