

CrossInstrumentStressRibbon - User Guide

NT8 Futures Pack - NinjaTrader 8. Educational tools only. Not investment advice. Past performance does not guarantee future results. Futures and leveraged products involve substantial risk of loss. 7-day free trial from first indicator run on this PC. After purchase, use the server-signed unlock download (RSA-SHA256; not a DIY plain-text file) saved as FuturesPack/unlock under user data. Machine ID must match Control Center - Help - About. No refund policy - evaluate fully during the trial before you buy.

What it does

Adds a secondary data series with the same bar type and value as the chart. Each bar: Ratio = primary close / secondary close; plots rolling z-score of Ratio over Z-score lookback (sub-panel; default plot width 2). Defaults: RatioZ line is black; upper threshold guide is red; lower threshold guide is green. Optional threshold guides draw at $+|Z|$ and $-|Z|$, and an optional neutral-zone shading band can fill the space between them for fast visual context. Optional: when Highlight plot past $|Z|$ threshold is on and $|Z|$ threshold is greater than zero, the RatioZ line keeps its normal user-selected plot color except on extreme bars, where it switches to a hot highlight color; a marker dot is also drawn on the current bar when $|Z|$ meets the threshold. Optional realtime NinjaTrader alert when $|Z|$ crosses from below to at/above the threshold. Corner HUD shows resolved secondary name, Z, ratio, or loading/waiting text. Secondary instrument: leave empty to auto-pick full-size NQ with the same month/year as the chart contract (e.g. MNQ JUN26 on chart maps to NQ JUN26); otherwise paste the instrument FullName exactly as in the chart Data Series dialog.

Trading use ideas

Pair highly correlated products (for example ES vs NQ on the same bar size) to see when their close-ratio is stretched versus its own recent distribution. Large positive or negative z-scores sometimes coincide with relative strength shifts, risk-on versus risk-off tilts, or one index leading a catch-up move. Traders use that either as a mean-reversion cue (ratio may snap back) or as confirmation that a leader-follower trend is extending; your edge should define which. Shorten the z-score lookback to react faster to regime changes, lengthen it for smoother, slower context. Keep the secondary symbol rolled to the same front month style as the chart to avoid artificial jumps. Dots and plot highlights are reminders to notice extremes, not standalone buy or sell signals.

Install

Import the ZIP (Tools - Import - NinjaScript), then add the indicator. After purchase, place the signed unlock under user data FuturesPack/unlock. Leave Secondary instrument empty for auto NQ, or set the FullName to match your chart bar type and period. If the second series never loads, check the instrument name and that data is available for that series.

Parameters

Appearance: Visual profile 0 Standard, 1 Vivid (HUD and plot styling). Secondary instrument: FullName as in Data Series; empty = auto NQ from chart. Z-score lookback (5-500): bars for rolling mean and sample standard deviation of the ratio. $|Z|$ threshold (0=off): highlight and marker threshold; 0 disables dot and highlight logic. Highlight plot past $|Z|$ threshold: recolors RatioZ on extreme bars only when threshold > 0 ; normal bars use your configured RatioZ plot color. Show +/- $|Z|$ threshold guides: draws horizontal guide lines at $+|Z|$ and $-|Z|$. Shade between threshold guides: fills the neutral band between $+|Z|$ and $-|Z|$ for easier breakout/reversion reads. Threshold band opacity (0-100): shading opacity for that neutral band (default 5). NinjaTrader alert when $|Z|$ crosses threshold (realtime): fires on the transition into the extreme zone; off by default. HUD position (0-4), HUD font size (8-18).

Limitations

Ratio level is not normalized for corporate actions or contract rolls; interpret in context. Requires synchronized bars between series.