

Pteroz Market Pressure Analyzer

Pteroz Market Pressure Analyzer is a market structure analysis tool. The indicator interprets market structure in terms of bullish and bearish pressure dominance dynamics within three time horizons (7, 14, and 28 bars by default, adjustable in settings).

The indicator is based on an author-developed Market Pressure methodology that evaluates both directional strength and rejected price movement. These components are aggregated into Bull Pressure and Bear Pressure measurements and compared across multiple observation ranges. This approach allows traders to assess not only which side is currently dominant, but also how that dominance is evolving across multiple time horizons.

By combining multi-horizon pressure measurements with structural classification tools, the indicator is designed around the premise that market structure and pressure dominance are closely related. It helps traders visualize market conditions from a pressure-dominance perspective, revealing trending, consolidating, and transitioning market environments.

Pteroz Market Pressure Analyzer is displayed in a separate pane as a histogram-based diagram accompanied by structural classification tools and an informational panel that summarizes the most important analytical outputs.



Key Features

1. Histogram Bars Displaying Dominant Market Pressure

Dominant market pressure is measured independently for each analysis range (7 / 14 / 28 by default, adjustable in settings) and displayed as three histogram bars for every candle.

The histogram allows traders to compare the relative strength of bullish and bearish pressure across multiple observation horizons simultaneously.

2. Triple Dominance Detection

Triple Dominance identifies simultaneous bullish or bearish dominance across all analyzed ranges. Bullish Triple Dominance is displayed as green circles above the histogram while Bearish Triple Dominance is displayed as red circles above the histogram.

This feature highlights periods when pressure alignment exists across short, medium, and longer-term horizons.

3. Informational Panel

The informational panel displayed on the latest bar summarizes the current market structure.

3.1 Pressure dominance is calculated independently for each range and displayed as numerical ratios.

Example:

```
7:      2.15 Strong Bullish
14:     1.45 Bullish
28:    -1.21 Minor Bearish
```

Interpretation:

Over the last 7 bars, bullish pressure is 2.15 times stronger than bearish pressure
Over the last 14 bars, bullish pressure is 1.45 times stronger than bearish pressure
Over the last 28 bars, bearish pressure is 1.21 times stronger than bullish pressure

Indicator uses structural thresholds (adjustable in settings) to classify dominance strength.

Pressure < 1.3	Minor dominance (on the label: Minor Bullish or Minor Bearish)
1.3 – 2.0	Normal dominance (on the label: Bullish or Bearish)
2.0 – 2.5	Strong dominance (on the label Strong Bullish or Strong Bearish)
≥ 2.5	Extreme dominance (on the label: Extreme Bullish or Extreme Bearish)

3.2 Market Regime describes how the market structure is organized in terms of pressure dominance. Four environments are classified:

Bull Trend Expansion - Bullish pressure dominates across analyzed three ranges and the upward trend structure expands.

Bear Trend Expansion - Bearish pressure dominates across analyzed three ranges and the downward trend structure expands.

Balanced Range - No side shows meaningful dominance. Pressure remains below the structural threshold and the market lacks directional commitment.

Pullback / Transition - Dominance exists but horizons are not fully aligned. This environment often represents either a normal pullback within a trend or an early structural transition

3.3 Market Bias. While Market Regime describes the structural environment, Bias describes the internal condition of pressure within that environment. The indicator classifies:

Bullish Accelerating
Stable Bullish
Weakening Bullish
Bearish Accelerating
Stable Bearish
Weakening Bearish
Mixed
Range

Mixed conditions occur when pressure signals across ranges conflict, creating a structurally unstable environment.

Range conditions occur when bullish and bearish pressure remain balanced, suggesting a sideways market structure.

Bias classification uses a tolerance threshold (0.1 by default, adjustable in settings) to reduce sensitivity to minor fluctuations.

3.4 Confidence Score evaluates the overall structural strength of pressure dominance across analyzed horizons. It answers a key question: How structurally strong is the current dominance? Classification:

0–40%	Weak structure
40–70%	Developing structure
70–90%	Strong structure
90–100%	Maximum structural strength

High confidence indicates strong alignment across horizons, while lower confidence suggests structural fragmentation. Confidence reflects structural strength — it is not a prediction or probability of profit.

3.5 Continuation and Reversal. These scores evaluate whether the current pressure structure is more supportive of continuation or transition into a different market state. The calculations incorporate Market Regime alignment, Bias phase and Confidence strength. Continuation and Reversal scores are calculated independently and do not sum to 100%.

3.6 Market Summary provides a concise structural interpretation of the current market state. It combines information from: pressure dominance, horizon alignment, dominance strength and

structural evolution. Instead of interpreting multiple values individually, traders receive a single structural description.

Examples include:

Bullish Trend Expansion
Bullish Trend Mature
Pullback Pressure
Mixed Reversal Pressure
Balanced Range

Practical Usefulness of Pteroz Market Pressure Analyzer

Whether actively managing a position, analyzing market conditions, or evaluating a potential trade opportunity, understanding market structure is an important part of the decision-making process.

Pteroz Market Pressure Analyzer is designed to help traders evaluate market structure through the lens of bullish and bearish pressure dominance.

From this perspective, the indicator provides insights into:

- Pressure initiation, development, and exhaustion phases
- Pressure pullback and transition conditions
- Structural conditions that may support continuation or transition

The indicator is intended to complement other analytical approaches and can be used alongside trend analysis, price action, support and resistance, or other market analysis techniques when evaluating market structure and trading opportunities.

Example Interpretation of Market Structure

In the example shown below, bullish Triple Dominance is visible through the green circle markers above the histogram.

The Regime is classified as Bull Trend Expansion and the Bias is Stable Bullish, indicating that bullish pressure dominates but is no longer accelerating. Otherwise, the Bias would be classified as Bullish Accelerating.

At the same time, declining Confidence and Continuation scores suggest that the trend may be entering a more mature phase.

The Market Summary therefore evaluates the structure as Bullish Trend Mature, indicating potential weakening of the existing trend while bullish dominance remains present.



Conclusion

Pteroz Market Pressure Analyzer is a real-time market structure analysis tool designed to evaluate the balance of power between bulls and bears across multiple time horizons.

By analyzing pressure alignment, structural strength, and dominance dynamics, the indicator helps traders interpret whether market pressure is expanding, stabilizing, weakening, or transitioning.

Pteroz Market Pressure Analyzer is designed to assist traders in understanding market structure and can be used together with other analytical tools and trading strategies.

Disclaimer

This indicator is designed as an analytical and educational tool to assist traders in evaluating market structure and pressure dynamics. It does not provide financial advice and should be used together with the trader's own analysis and risk management.