

# The MTF Scanner asks one question:

Do the four independent dimensions of the chart agree?

*Most retail indicators stack three momentum oscillators (RSI, Stochastic, MACD) that are mathematically correlated and "confirm" each other. Of course they agree. The MTF Scanner picks four statistically independent dimensions, scores each one separately from -25 to +25, and sums them. The result is a single number from -100 to +100 that tells you whether the math actually agrees.*

## The four components

### 1. HTF Trend -25 to +25

The higher-timeframe EMA stack — auto-selected based on your chart timeframe (5m chart → 1H HTF, 1H → Daily, 4H → Weekly):

- EMA stack in bullish order (fast > mid > slow)? +10 if perfect, partial credit otherwise.
- Price above the fast EMA? +8 / -8
- Price above the slow EMA? +7 / -7

This is the "are we in an uptrend on the timeframe that matters" question. A 5m scalper gets the 1H verdict; a daily swing trader gets the weekly verdict.

### 2. Momentum -25 to +25

Current-timeframe RSI + MACD:

- RSI distance from 50, scaled (RSI 70 = +5.6, RSI 30 = -5.6)
- RSI slope (rising or falling, 3-bar)
- MACD histogram: green or red? Expanding or contracting?
- MACD line above signal line?

This is "is there force behind the move right now" on the chart you're trading.

### 3. Volatility Regime -25 to +25, directional

Directional ATR + Bollinger Band position:

- Is ATR expanding into a healthy range (0.9× – 1.6× of 50-bar avg)? If so, score in the direction of the 5-bar close change. Big expansion in a clear direction = high score.
- Bollinger squeeze (BB width < 70% of average)? Breakout up → +8, down → -8.

- Where is price within the bands? Top half is bullish-leaning, bottom half bearish.

The dimension most indicators miss: trend + momentum without volatility expansion is a fakeout waiting to happen.

#### 4. Key Level Proximity -25 to +25, directional

Has the chart just reacted to a level that matters?

- Near yesterday's high/low? Break above PDH → +10 . Failure and reversal off PDH → -8 .
- Same logic for the recent 20-bar swing high/low.
- "Near" = 2 ATRs (configurable), so proximity scales with the symbol's volatility.

The "the chart cares about *this* price" dimension.

### How it combines

**Total** = HTF Trend + Momentum + Volatility + Levels. Range -100 to +100.

Score	Bias	Read
<span style="background-color: #e0f0e0;">+60</span> or higher	<b>Strong Long</b>	All four agree — asymmetric long setup
<span style="background-color: #e0f0e0;">+30</span> to <span style="background-color: #e0f0e0;">+59</span>	Lean Long	Most agree — decent but not exceptional
<span style="background-color: #e0f0e0;">-30</span> to <span style="background-color: #e0f0e0;">+30</span>	Neutral	Fight zone — don't trade
<span style="background-color: #ffe0e0;">-30</span> to <span style="background-color: #ffe0e0;">-59</span>	Lean Short	Most agree to the downside
<span style="background-color: #ffe0e0;">-60</span> or lower	<b>Strong Short</b>	All four agree — asymmetric short setup

In backtests: +60 readings closed higher 5 bars later **~62%** of the time. -60 readings closed lower **~58%**. Neutral zone was a coin flip — which is the point. The indicator's job isn't to predict every bar, it's to tell you when *not* to trade.

### Why HTF auto-select matters

If you're scalping on the 5m and your indicator only looks at the 5m, you're inheriting all the noise of the 5m. The MTF Scanner pulls trend from a much slower TF (1H for a 5m chart) so the trend component doesn't whipsaw with every 5m candle. The HTF refreshes only when the higher timeframe closes — same data a swing trader sees from their chart.

### What it doesn't do

- Doesn't predict reversals — it's biased toward confirmation, by design.
- Doesn't tell you stops or position size — that's your job.

- Will produce a strong signal at the peak of a parabolic move. It's not a contrarian tool.
- Doesn't work well in true chop. The Volatility component helps but won't save you.

The scanner tells you when *the chart agrees with itself*, not when to enter or exit. Most "magic signal" indicators promise the latter and fail. This one promises the former and (mostly) delivers.

## Ready to score every setup -100 to +100?

Lifetime invite-only access on TradingView. One-time payment, no subscription.

**Get the indicator — \$29 →**

or read more at [confluencelab.net](https://confluencelab.net)