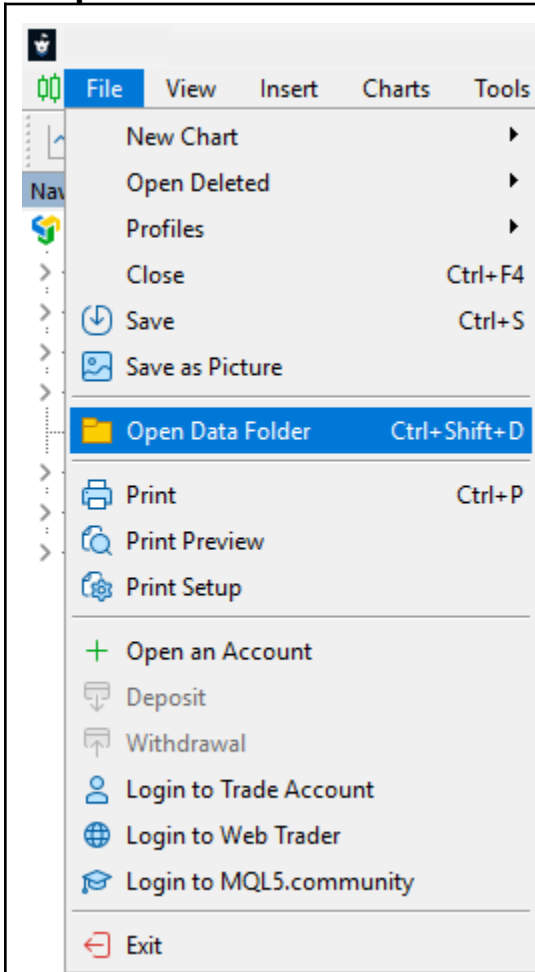


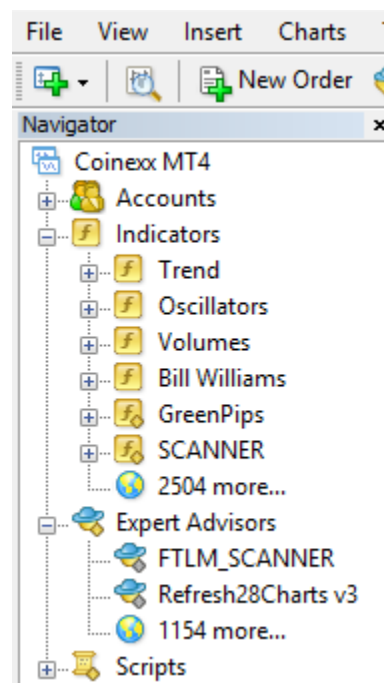
GREEN PIPS

TRADING STRATEGY

Chapter 1: INSTALLATION

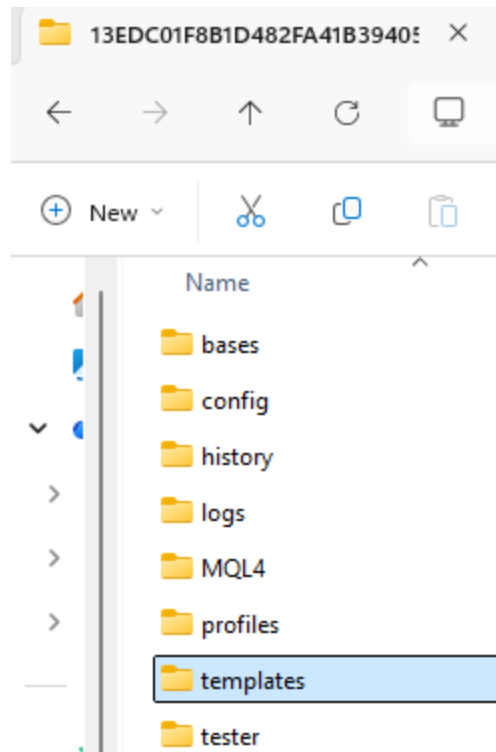


From your MT4 app, **File > Open Data Folder**



Copy the whole folder of “**GreenPips**” & “**SCANNER**” to the Indicators folder of MT4: **MQL4 > Indicators**

Copy 2 files: “FTLM_SCANNER.ex4” and “Refresh28Charts v3.ex4” to the Expert Advisors folder.



Copy the template to the “templates” folder of MT4. It’s below the “MQL4” folder.



Chapter 2: ARROW Indicators

- 1) **FTLM** - Fast Trend Line Momentum indicator with arrows. When you see a green arrow, get ready to go **LONG/BUY**. When you see a red arrow, get ready to go **SHORT/SELL**.
- 2) **RSI(3)** overbought & oversold arrows.
When you see a dot, get ready.
If RSI(3) crosses up level 30, go **LONG/BUY**.
If RSI(3) crosses down level 70, go **SHORT/SELL**.

All arrows are not repainted.

Chapter 3: SHORT-TERM TREND

TMA (*Triangular Moving Average*) (*with Center of Gravity*).

Green TMA means it's an uptrend.
Red TMA means it's a short-term downtrend.

If a complete candle is above the TMA, go **LONG/BUY**.
If a complete candle is below the TMA, go **SHORT/SELL**.
In a strong uptrend, candles will hug the green upper bands.

In a strong downtrend, candles will hug the red lower bands.

These trends can last only for 1 or 2 hours.

This TMA indicator is not repainted.

Chapter 4: HISTOGRAM

FTLM - Fast Trend Line Momentum.

We always need a histogram to check for divergences.

Chapter 5: SUPPORTS & RESISTANCES

- 1) **Yesterday's Fibonacci** indicator: plot yesterday's High and Low.
 - 2) **Woodie Pivot** indicator: calculate supports and resistances for the current day.
 - 3) **5 Weekly High & Low** indicator: display the High & Low of the last 5 weeks.
Those Highs and Lows can be supports or resistances.
-

Chapter 6: UTILITIES

1. **MINI CHARTS**: have a red dashed line and that line is SMA(20).
If a complete candle is above the SMA(20), go LONG/BUY.
If a complete candle is below the SMA(20), go SHORT/SELL.
 2. **SIGNAL BARS**:
Orange squares are neutral.
Green squares are uptrend.
Red squares are downtrend.
 3. **RSI(3) & RSI(14)**: if RSI crosses up level 30, plot a green square. If RSI crosses down level 70, plot a red square.
 4. **Stoch(5,3,3) & Stoch(38,23,17)**: if Stoch crosses up level 20, plot a green square. If Stoch crosses down level 80, plot a red square.
 5. **MACD(4,10,5) & MACD(12,25,9)**: if signals cross up, plot a green square. If signals cross down, plot a red square.
 6. **EMA(3,5)**: just a cross between EMA(3) & EMA(5). If they cross up, plot a green square. If they cross down, plot a red square.
-

FTLM - Fast Trend Line Momentum



The Core Concept: Measuring Momentum Acceleration

FTLM (Fast Trend Line Momentum) is a momentum oscillator designed to measure the acceleration or deceleration of a trend. Unlike indicators that simply show if the market is going up or down, FTLM aims to show *how forcefully* it's moving.

Think of it this way:

- Price tells you *where* the market is.
- A regular moving average tells you the *direction* of the trend.
- FTLM tells you the *speed* or *strength* of the trend.

It's called "Fast Trend Line" because it's calculated to be highly responsive to recent price changes, making it a leading or coincident indicator rather than a lagging one.

How is FTLM Calculated? (The Simplified Logic)

While the exact calculation can be proprietary depending on the trading platform, the general principle involves a two-step process:

1. **Detrending the Price:** First, it removes the overall trend from the price data to isolate pure cyclical movements. This is often done using a complex moving average or a linear regression filter.
2. **Measuring Momentum:** It then applies a momentum calculation (like a rate-of-change) to this "detrended" data to create the FTLM oscillator.

The result is a line that oscillates around a Zero Line, which is its most important feature.

How to Interpret and Use FTLM in Forex

The interpretation of FTLM is similar to other momentum oscillators like the MACD or RSI, but it's often considered smoother and more precise for trend analysis.

1. The Zero Line: Bullish vs. Bearish Momentum

- **Bullish Momentum:** When the FTLM line is above the Zero Line, it indicates that the underlying momentum is bullish. This suggests buyers are in control.
- **Bearish Momentum:** When the FTLM line is below the Zero Line, it indicates that the underlying momentum is bearish. This suggests sellers are in control.

Primary Use: The most reliable FTLM signals are generated when you trade in the direction of the Zero Line cross. For example, look for buy opportunities when FTLM is above zero, and sell opportunities when it's below zero.

2. Signal Line Crossovers

Many FTLM indicators are paired with a slower Signal Line (a moving average of the FTLM line).

- **Buy Signal:** When the FTLM line crosses above its Signal Line.
- **Sell Signal:** When the FTLM line crosses below its Signal Line.
- These crossovers work best when they occur on the "correct" side of the Zero Line (e.g., a bullish crossover above the zero line is stronger).

3. Divergence: High-Probability Reversal Clues

This is one of the most powerful applications of FTLM.

- **Bullish Divergence:** The price makes a Lower Low, but the FTLM indicator makes a Higher Low. This indicates that the downward momentum is weakening, and a bullish reversal is likely.
- **Bearish Divergence:** The price makes a Higher High, but the FTLM indicator makes a Lower High. This indicates that the upward momentum is weakening, and a bearish reversal is likely.

4. Overbought/Oversold Levels

While not its primary function, FTLM can also identify potential overbought and oversold extremes.

Traders often draw horizontal lines at specific levels (e.g., +0.5 and -0.5, or levels unique to the asset). A reading above the upper level suggests overbought conditions, and below the lower level suggests oversold.

A Practical Forex Trading Example

Scenario: You are analyzing the GBP/USD on the 4-hour chart.

1. **The Setup:** Price has been in a downtrend but is now starting to consolidate.
2. **The Signal:**
 - You notice that price makes a new low, but the FTLM indicator forms a clearly Higher Low (Bullish Divergence).
 - Shortly after, the FTLM line crosses above its Signal Line.
 - A few bars later, the FTLM line itself crosses above the Zero Line.
3. **The Interpretation:** This is a triple-confirmed bullish signal. The divergence showed weakening sell pressure, the signal line crossover gave an early entry hint, and the Zero Line cross confirmed that bullish momentum has now taken control.
4. **The Action:** You enter a long (buy) position. Your stop loss can be placed below the recent swing low, and you can use the FTLM line staying above the Signal Line or Zero Line as a trailing guide for your exit.

FTLM vs. Other Momentum Indicators

Feature	MACD	RSI	FTLM
Primary Focus	Trend change & momentum.	Overbought/Oversold conditions.	Speed and acceleration of the trend.
Calculation Base	Moving Averages.	Price gains vs. losses.	Detrended price cycles.
Signal Clarity	Can be lagging.	Can be noisy.	Designed to be smoother and more responsive.
Best For	Identifying the start of a new trend.	Finding reversal points in ranges.	** gauging the strength of an existing trend and spotting early exhaustion.**

Advantages and Disadvantages

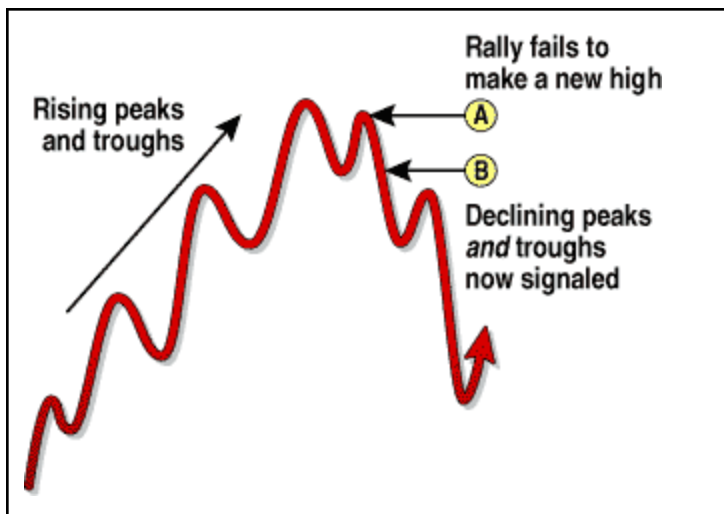
Advantages	Disadvantages
✔ Clear Momentum Readings: The Zero Line provides an unambiguous view of bullish/bearish momentum.	✘ Not a Standalone Tool: It should always be used with other forms of analysis like price action or trend lines.
✔ Smoother Signals: Less prone to noise than oscillators like the RSI or Stochastic.	✘ Can Give False Signals in Ranges: Like all momentum indicators, it can whipsaw in a sideways market.
✔ Excellent Divergence Tool: Its design makes divergences relatively clear and reliable.	✘ Less Common: It's not as universally available or well-known as RSI or MACD, so finding resources can be harder.
✔ Leading Quality: Aims to provide signals as the trend changes, not after.	✘ Requires Confirmation: The "fast" nature means you should wait for confirmation (e.g., a candle close) before acting on a crossover.

Conclusion

FTLM - Fast Trend Line Momentum is a sophisticated and underrated momentum indicator that excels at showing the *force* behind a price move. Its strength lies in:

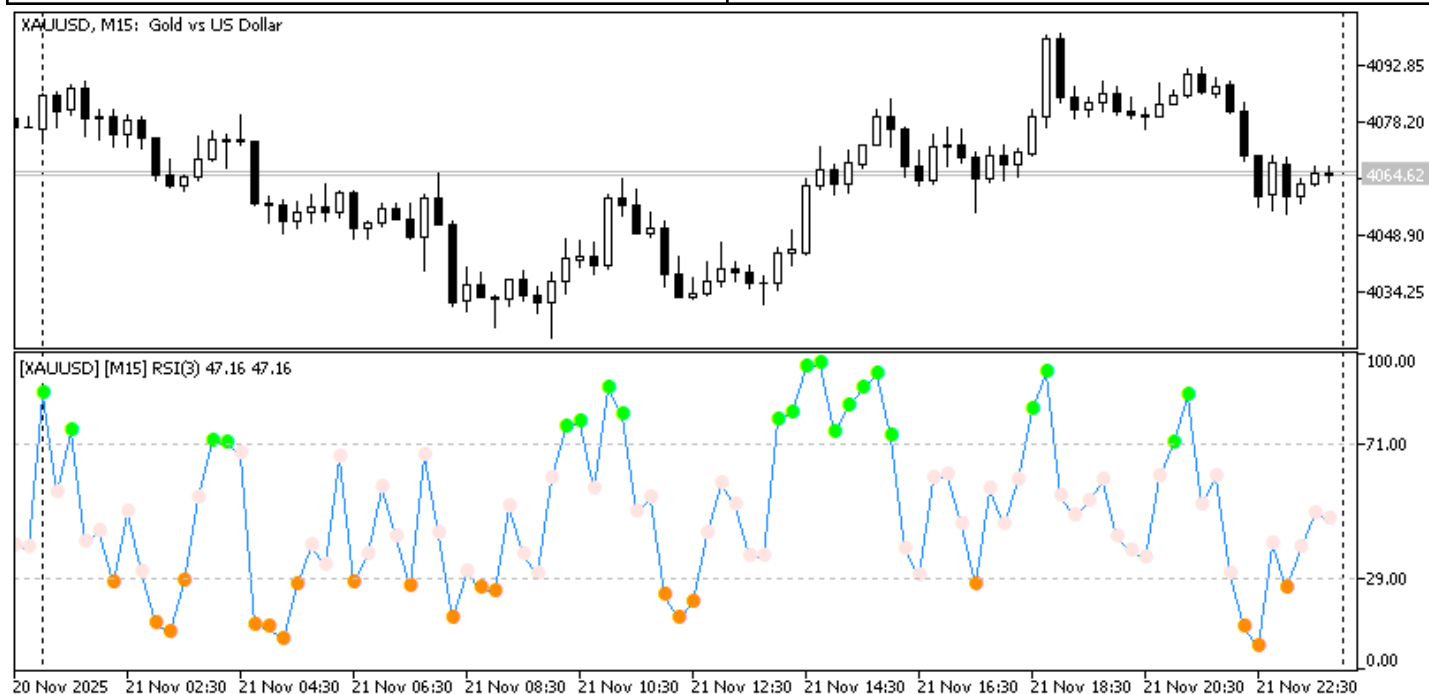
- Providing clear buy/sell momentum bias via the Zero Line.
- Generating high-probability reversal warnings through divergence.
- Offering timely entry signals through its Signal Line crossovers.

For best results, use it to confirm the strength of a trend identified by other means (e.g., a breakout from a chart pattern or a moving average crossover). It is a powerful component of a comprehensive trading system, not a standalone strategy.



RSI (3)

Let you see Peaks and Troughs



The Core Concept: A Hyper-Sensitive Momentum Gauge

The **RSI(3)** is the Relative Strength Index set with a 3-period lookback setting.

- **Standard RSI:** The default setting is 14 periods. It's a momentum oscillator that measures the speed and change of price movements, helping to identify overbought and oversold conditions.
- **RSI(3):** This is a much shorter, faster, and more sensitive version of the same indicator.

Think of it this way:

- **RSI(14)** is like a speedometer for the overall trend.
- **RSI(3)** is like a G-force meter that reacts to every small bump and turn.

Its primary use is for short-term, aggressive trading like scalping and day trading, where quick entry and exit signals are crucial.

How RSI(3) is Interpreted

The interpretation follows the standard RSI rules but is applied to its much more volatile movements. The indicator oscillates between 0 and 100.

1. Overbought and Oversold Levels

- Traditional Levels: 70 for Overbought, 30 for Oversold.
- For **RSI(3)**: Because it's so sensitive, it will frequently hit extreme levels. Therefore, traders often use more extreme thresholds or interpret the levels differently.
 - A move above 80-85 is considered a strong, but potentially exhausted, overbought condition.
 - A move below 15-20 is considered a strong, but potentially exhausted, oversold condition.
 - Important: In a strong trend, **RSI(3)** can remain in overbought (>70) or oversold (<30) territory for extended periods. This is a sign of momentum, not an immediate reversal signal.

2. Centerline Crossover (Momentum Shift)

- Bullish Momentum: When the **RSI(3)** crosses above the 50 line. This indicates that short-term bullish momentum is taking control.
- Bearish Momentum: When the **RSI(3)** crosses below the 50 line. This indicates that short-term bearish momentum is taking control.
- For **RSI(3)**, these crossovers happen very frequently and are best used as a filter, not a primary signal.

3. Divergence (A High-Probability Reversal Signal)

This is one of the most powerful uses of **RSI(3)**, as it can signal reversals very early.

- Bullish Divergence: Price makes a Lower Low, but the **RSI(3)** makes a Higher Low. This indicates that selling momentum is weakening.
- Bearish Divergence: Price makes a Higher High, but the **RSI(3)** makes a Lower High. This indicates that buying momentum is weakening.

A Practical Forex Scalping Example

Scenario: You are scalping the GBP/USD on a 1-minute or 5-minute chart.

1. The Setup: Price has been in a sharp downtrend. The **RSI(3)** is deep in oversold territory, below 10.
2. The Signal:
 - You notice a Bullish Divergence: Price makes a new low, but the **RSI(3)** forms a clearly higher low.
 - The **RSI(3)** then breaks above the 20 level and subsequently crosses above the 50 centerline.
 - A bullish candlestick pattern (like a hammer or bullish engulfing) forms on the price chart.
3. The Interpretation: The divergence showed that selling pressure was drying up. The move above 20 and then 50 confirms that short-term buying momentum is now in control.
4. The Action: You enter a quick long (buy) trade, aiming for a fast 5-10 pip profit. Your stop loss is placed just below the recent swing low.

RSI(3) vs. RSI(14): A Key Comparison

Feature	RSI(14) - Standard	RSI(3) - Fast
Sensitivity	Low sensitivity, smooth line.	Very high sensitivity, jagged line.
Lag	Higher lag, slower signals.	Very low lag, faster signals.
Overbought/Oversold	Hits extremes less often; signals are more reliable but later.	Hits extremes frequently; can give many false reversal signals.
Best For	Swing trading, confirming trend direction, reliable but slower signals.	Scalping, aggressive day trading, catching very short-term reversals.
Risk	Can miss early entries in fast-moving markets.	High risk of whipsaws and false signals, especially in ranging markets.

Advantages and Disadvantages of RSI(3)

Advantages	Disadvantages
✔ Extremely Fast Signals: Provides early entry and exit indications.	✘ Very Noisy & Whipsawy: Generates a huge number of signals, many of which are false.
✔ Excellent for Scalping: Its responsiveness is ideal for 1-min, 5-min, and 15-min timeframes.	✘ Can Be Misleading: Staying in overbought/oversold for a long time can trap traders into early counter-trend positions.
✔ Clear Early Divergences: Can spot momentum shifts that RSI(14) would miss.	✘ Not a Standalone Tool: Never use it alone. It must be combined with other confirmations.
✔ Great for Mean Reversion: In a ranging market, it can effectively identify short-term bounce levels.	✘ Causes Overtrading: The constant signals can tempt traders to take low-quality setups.

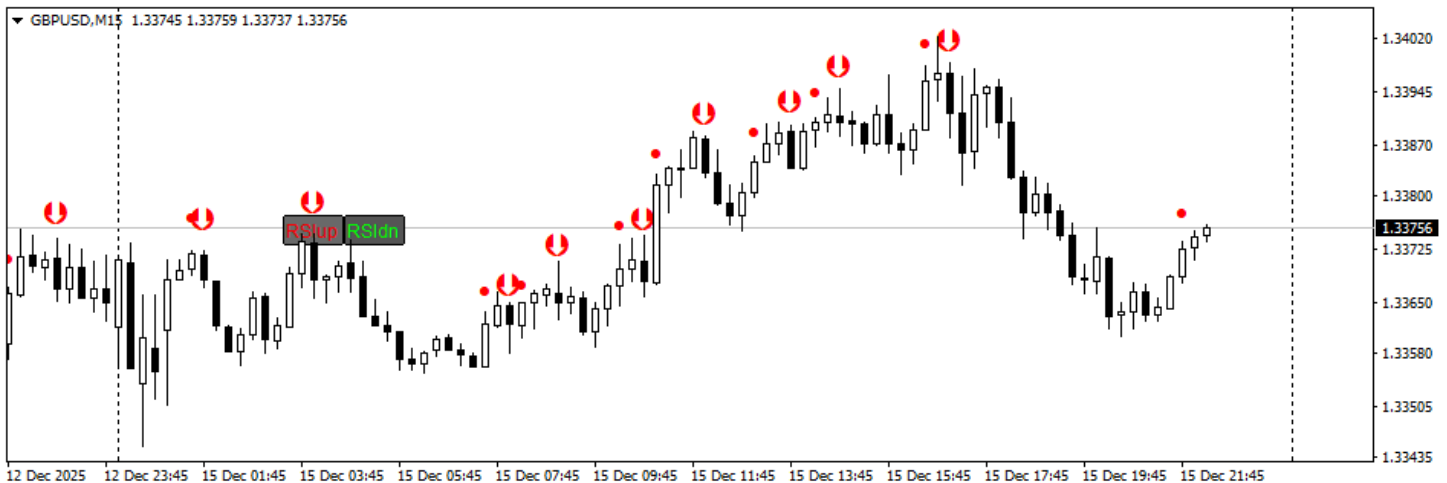
Conclusion

RSI(3) is a specialized, high-octane tool for short-term Forex traders. Its value lies in its ability to react almost instantly to shifts in short-term momentum.

To use it effectively:

1. Context is King: Only use **RSI(3)** signals that align with the higher-timeframe trend or a key support/resistance level.
2. Seek Confirmation: Always wait for confirmation from price action (a candlestick pattern) or a break of a minor trendline before entering a trade based on an **RSI(3)** signal.
3. Use Stricter Extremes: Consider levels like 80/20 or even 85/15 as your true overbought/oversold zones to filter out noise.
4. Prioritize Divergence: Divergences on **RSI(3)** are often its most reliable and powerful signals.

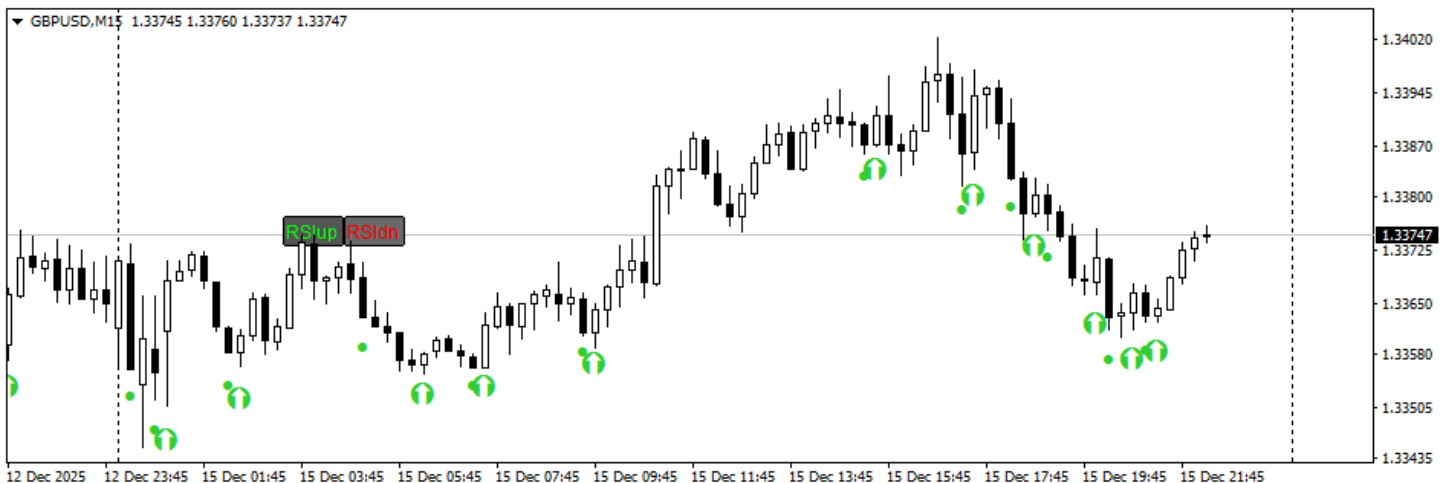
It is a precision instrument for scalpers, not a blunt tool for long-term investors. Used wisely, it can help you capture quick, small moves in the market. Used poorly, it will lead to frustration and losses from constant whipsaws.



RSI(3) overbought oversold arrows.

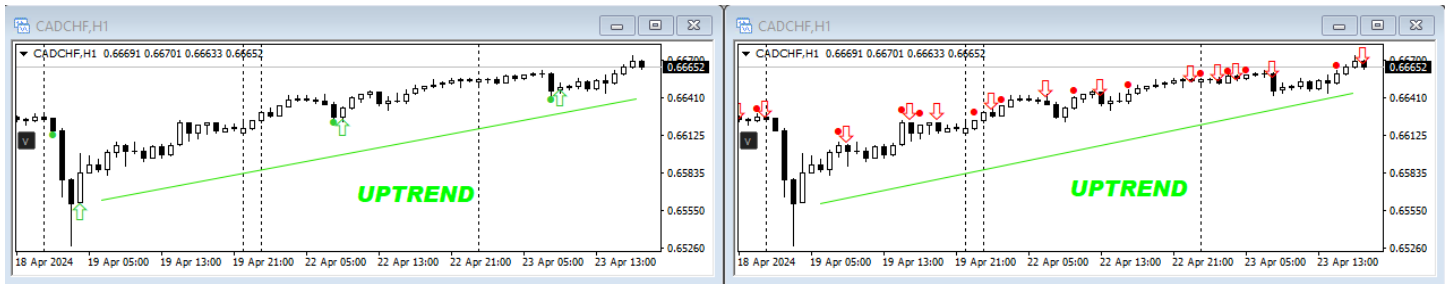
When you see a dot, get ready.

Red arrows are for **SHORT/SELL**.



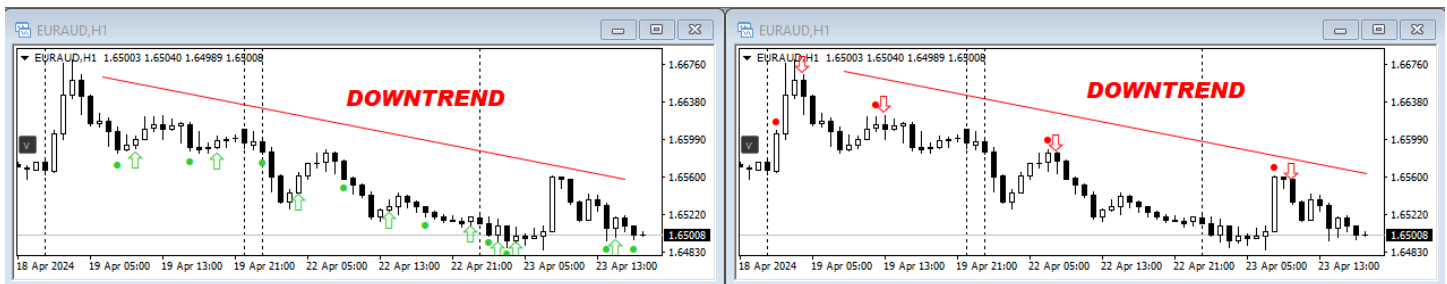
Green arrows are for **LONG/BUY**.

RSI(3) UPTREND



In an uptrend, there're a bunch of **red down arrows**.
But there're only a few **green up arrows**.

RSI(3) DOWNTREND



Vice versa for a downtrend.
In a downtrend, there're a bunch of **green up arrows**.
But there're only a few **red down arrows**.

SMA *(Simple Moving Average)*

The Core Concept: What is an SMA?

An SMA (Simple Moving Average) is one of the most fundamental and widely used technical indicators in Forex. It's a line that smooths out price data by creating a constantly updated average price over a specific period.

In simple terms:

It tells you the average closing price of a currency pair over the last 'X' number of periods, helping you see the underlying trend by filtering out market "noise."

How is the SMA Calculated?

The calculation is straightforward, which is why it's called "Simple."

Formula:

$$\text{SMA} = (\text{Sum of Closing Prices for 'N' periods}) / N$$

Where 'N' is the number of periods.

- On a 1-hour chart, a 50-period SMA is the average closing price of the last 50 hours.
- On a daily chart, a 200-period SMA is the average closing price of the last 200 days.

Example: Calculating a 5-period SMA

If the last 5 closing prices for EUR/USD were: 1.0700, 1.0710, 1.0690, 1.0720, 1.0715

The SMA would be: $(1.0700 + 1.0710 + 1.0690 + 1.0720 + 1.0715) / 5 = 1.0707$

As each new period ends, the oldest price is dropped, and the newest one is added, causing the line to "move."

How to Use SMA in Forex Trading

Traders use SMAs in several key ways:

1. Identifying the Trend

This is the primary function.

- Uptrend: When the price is trading above a key SMA (e.g., the 50 or 200-period) and the SMA is sloping upwards.
- Downtrend: When the price is trading below a key SMA and the SMA is sloping downwards.
- Ranging Market: When the price is weaving around a relatively flat SMA, indicating no clear trend.

2. Dynamic Support and Resistance

An SMA acts as a dynamic (moving) level of support or resistance.

- In an uptrend, the SMA often acts as a support level where buyers step in, causing the price to bounce back up.
- In a downtrend, the SMA often acts as a resistance level where sellers emerge, pushing the price back down.

3. Generating Trade Signals with Crossovers

This is a very popular strategy using two SMAs: a fast SMA (shorter period) and a slow SMA (longer period).

- Golden Cross (Bullish Signal): When the fast SMA (e.g., 50-period) crosses above the slow SMA (e.g., 200-period). This signals a potential long-term bullish trend change.
- Death Cross (Bearish Signal): When the fast SMA (e.g., 50-period) crosses below the slow SMA (e.g., 200-period). This signals a potential long-term bearish trend change.

4. Gauging Momentum

The slope of the SMA indicates momentum.

- A steeply rising SMA indicates strong bullish momentum.
- A steeply falling SMA indicates strong bearish momentum.
- A flat SMA indicates a lack of momentum (consolidation).

A Practical Forex Example

Imagine you are trading GBP/USD on the 4-hour chart.

1. The Setup: You have a 50-period SMA and a 100-period SMA on your chart.
2. The Signal: The price has been in a downtrend, trading below both SMAs. Suddenly, the price starts to rally and breaks above the 50-period SMA. A few bars later, the 50-period SMA crosses above the 100-period SMA (a bullish crossover).
3. The Interpretation: This suggests the downtrend has likely ended and a new uptrend is beginning.
4. The Action: You might enter a long (buy) position. Your stop loss could be placed below the recent swing low or below the 100-period SMA. You could then use the 50-period SMA as a trailing support level to manage your trade.

SMA vs. EMA (Exponential Moving Average)

It's crucial to understand the difference, as this is a common point of confusion.

Feature	Simple Moving Average (SMA)	Exponential Moving Average (EMA)
Calculation	Gives equal weight to all prices in the period.	Gives more weight to recent prices.
Speed	Slower to react to new price information.	Faster to react to new price information.
Lag	Higher lag.	Lower lag.
Best For	Identifying long-term trends, filtering out noise.	Capturing shorter-term trends and quicker entries.
Signal Strength	Signals are fewer but often more significant for long-term trends.	Can generate more signals, but also more false signals.

Simple Analogy: The SMA is like a tank—slow, steady, and reliable for major trends. The EMA is like a sports car—fast and responsive, but more prone to sudden jerks (whipsaws).

Advantages and Disadvantages of SMA

Advantages

✓ Simple & Reliable: Easy to understand and interpret.

✓ Excellent Trend Filter: Great for cutting through noise and showing the clear trend.

✓ Widely Used: Many traders watch key SMAs (like 50 & 200), creating self-fulfilling prophecy.

Disadvantages

✗ Significant Lag: Because it's an average of past data, it's always behind the current price.

✗ Whipsaws in Ranges: In a sideways market, it will give many false crossover signals.

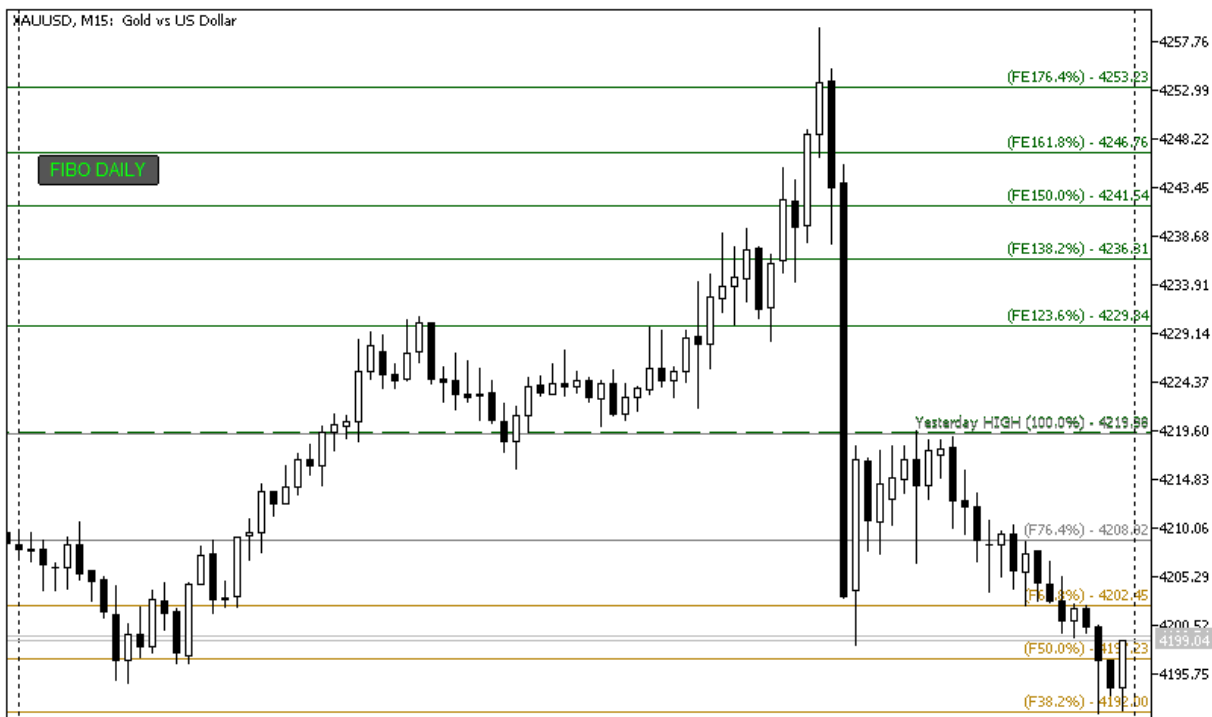
✗ Equal Weighting: A price from 20 days ago has the same influence as yesterday's price, which some see as illogical.

Conclusion

The SMA is a cornerstone of technical analysis in Forex. While simple in its construction, it is incredibly powerful for:

- Identifying the direction and strength of a trend.
- Providing dynamic support and resistance levels.
- Generating objective buy and sell signals through crossovers.

For best results, use SMAs in conjunction with other tools like price action analysis, RSI, or MACD to confirm signals and avoid false breakouts during ranging markets. It's often most effective on higher time frames (like 4H, Daily, Weekly) where its lag is less of an issue and its trend-identifying strength shines.



YESTERDAY'S FIBONACCI:

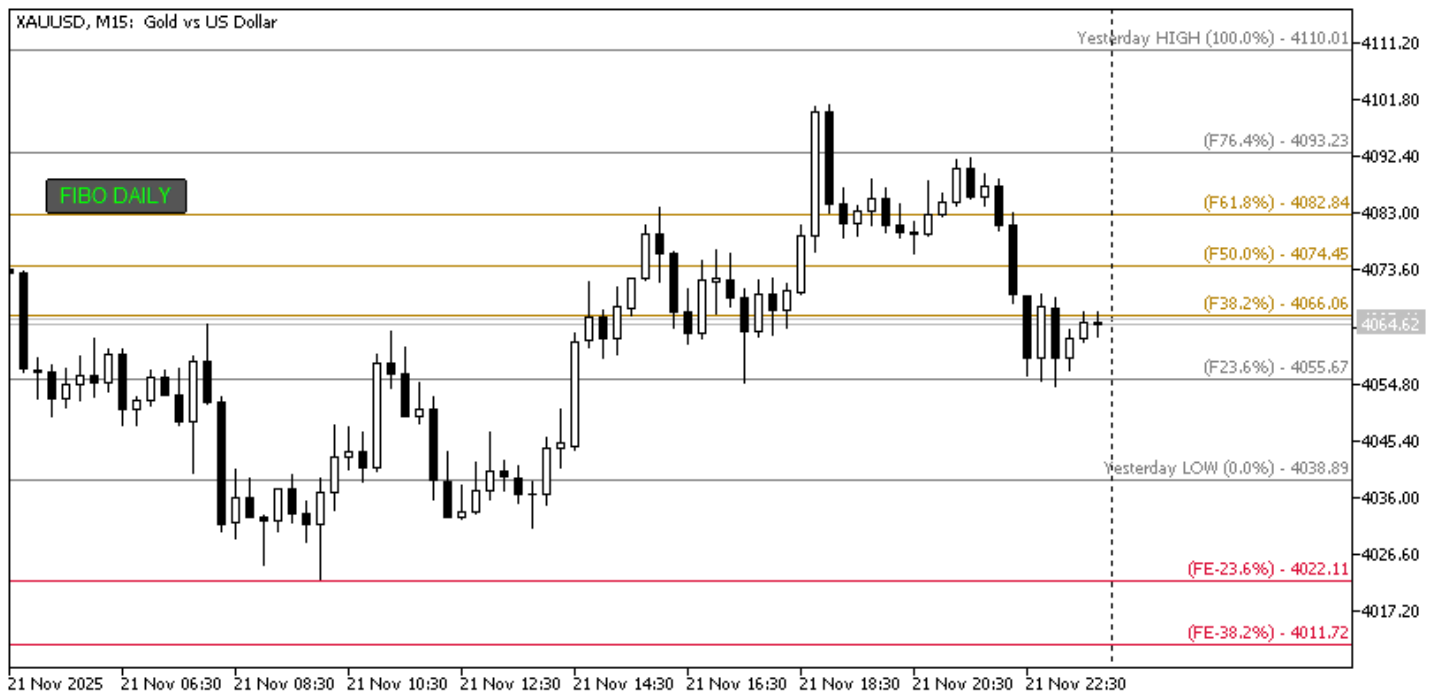
It's very useful to see how today's prices are related to yesterday's prices.

GOLDEN ZONE FIB

THE RETRACEMENT AREA



Golden Fibonacci Areas



The Core Idea: From Precise Lines to "Zones of Action"

Most traders start by drawing Fibonacci retracement levels as precise lines (23.6%, 38.2%, 50%, 61.8%, etc.). However, price often doesn't reverse at a perfect, hair-thin line. Instead, it reacts in a zone around these key levels.

Golden Fibonacci Areas are these zones—typically clusters or confluences of Fibonacci levels—where the probability of a significant price reaction (a bounce, reversal, or consolidation) is much higher. They represent the "sweet spots" on the chart.

The Most Important Golden Fibonacci Areas

There are two primary ways these areas form:

1. The Classic "Golden Zone" (38.2% - 61.8%)

This is the most famous and widely watched Fibonacci area. It's not a single line but the band between the 38.2% and 61.8% retracement levels.

- Why it's "Golden": This deep retracement zone represents a healthy pullback where the larger trend is most likely to resume. It's the equilibrium point where buyers and sellers often reach a consensus.
- Market Psychology: A pullback to this area shakes out "weak hands" (short-term traders) while attracting new money from traders who missed the initial trend move, believing the price is now at a discount.
- How to Trade It: Look for bullish reversal candlestick patterns (like hammers, bullish engulfing) in an uptrend, or bearish patterns (shooting stars, bearish engulfing) in a downtrend within this zone as entry signals.

The 50% level is often included in this zone, as it's not a "true" Fibonacci number but is widely watched due to Dow Theory and represents a perfect half-way retracement.

2. Confluence Zones: Where Multiple Fibonacci Tools Align

This is where the concept becomes even more powerful. A Golden Fibonacci Area is created when different Fibonacci studies overlap, creating a high-probability zone.

Common Confluences:

- **Retracement Cluster:** A standard retracement level (e.g., 61.8%) aligns with another, such as an Fibonacci Extension level (e.g., 127.2% or 161.8% from a prior move).
- **Retracement + Projection:** A retracement level coincides with a Fibonacci Price Projection (or "ABCD Pattern" target).
- **Retracement + Channel:** A retracement level sits right at a Fibonacci Fan line or a Fibonacci Channel boundary.

When multiple Fibonacci tools point to the same price zone, the significance of that area is magnified.

A Practical Forex Trading Example

Let's say EUR/USD is in a strong uptrend from Point A (1.0700) to Point B (1.1000).

1. **The Pullback:** The price then starts to pull back downwards.
2. **Identifying the Golden Area:** You draw your Fibonacci retracement tool from A (1.0700) to B (1.1000). The "Golden Zone" lies between the 38.2% retracement (1.0885) and the 61.8% retracement (1.0815).
3. **Adding Confluence:**
 - You notice that the 61.8% retracement level (1.0815) also coincides with the 161.8% Fibonacci extension level from a smaller, prior swing.
 - Additionally, this area aligns with a previous significant resistance level that has now turned into support.
4. **The Trade Setup:** As price enters this congested Golden Fibonacci Area around 1.0820 - 1.0850, the downward momentum slows. A clear bullish engulfing pattern forms on the 4-hour chart.
5. **The Action:** This is your high-probability signal to enter a long trade, anticipating the resumption of the larger uptrend. Your stop loss would be placed below the 61.8% level (e.g., below 1.0800).

How to Use Golden Fibonacci Areas Effectively

1. **Stop Treating Lines as Absolute:** Shift your mindset from trading off a single line to looking for reactions within a zone.
2. **Look for Clusters:** The more Fibonacci (or other technical) confluences in an area, the stronger it is.
3. **Always Use Price Action Confirmation:** Never trade a Fibonacci level blindly. Wait for price to show you it respects the area. Use:
 - Candlestick Patterns (Hammers, Dojis, Engulfing)
 - Momentum Divergence (RSI or MACD making higher lows while price makes lower lows)
 - Chart Patterns (Double Bottoms, Head and Shoulders)
4. **Use Them Dynamically:** Golden Areas are not static. Redraw your Fibonacci tools as new significant swings form on the chart.

Advantages and Pitfalls

Advantages

✓ **Higher Probability:** Confluences significantly increase the chance of a trade working.

✓ **Realistic:** Acknowledges that markets are noisy and don't reverse at perfect points.

✓ **Excellent for Risk Management:** A wider zone allows for more logical and safer stop-loss placement.

Pitfalls

✗ **Analysis Paralysis:** It's easy to over-complicate by drawing too many lines. Stick to major swings.

✗ **Not a Standalone System:** They are a filter, not a signal. You still need a clear trigger and risk management.

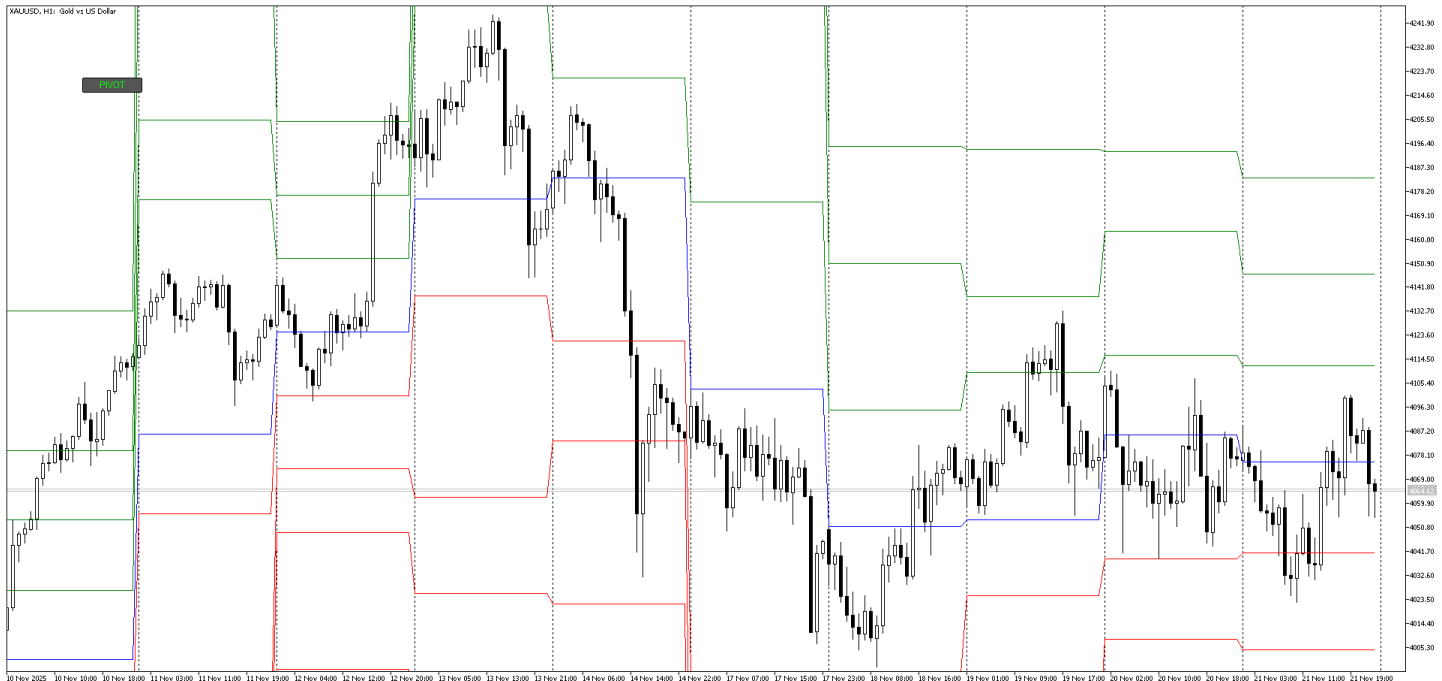
✗ **Subjectivity:** The "quality" of a confluence can be subjective. One trader's golden area is another's noise.

Conclusion

Golden Fibonacci Areas represent a more advanced and practical application of Fibonacci analysis. By focusing on the zone between 38.2% and 61.8% and, more importantly, seeking out confluences where multiple Fibonacci studies align, you can identify the market's most critical decision points.

This approach moves you from being a retail trader guessing at lines to a strategic trader who understands and anticipates where the "smart money" is likely to step in.

Woodie Pivot Point system



The Core Concept: A Different Way to Calculate the "Market Heartbeat"

Pivot Points are a popular technical analysis tool used to identify potential support and resistance levels. They are calculated based on the previous period's high, low, and closing price.

The Woodie Pivot Point is a specific variation of the standard (Classic) pivot point. Its main difference lies in how it weights the current price and what data it uses for calculation.

The Key Difference: Focus on the Current Price

- Classic Pivot Point: Primarily uses the previous period's data (High, Low, Close) and is considered a lagging indicator.
- Woodie Pivot Point: Places a much greater emphasis on the current period's opening price. In its calculation, it even uses the current open to *recalculate the previous period's close*.

This makes the Woodie Pivot Point system more responsive and dynamic, as it adjusts its levels based on where the market opens *now*, not just where it closed *yesterday*.

The Woodie Pivot Point Formulas

The main difference is in the calculation of the Pivot Point (PP) itself. Once you have the PP, the support and resistance levels are derived from it and the previous period's range.

Here are the formulas:

1. Pivot Point (PP)

- Formula: $PP = (H + L + 2 * O) / 4$
- Where: H = Previous Period's High, L = Previous Period's Low, O = Current Period's Open

2. Support and Resistance Levels

- Resistance 1 (R1): $(2 * PP) - L$
- Resistance 2 (R2): $PP + (H - L)$
- Resistance 3 (R3): $H + 2 * (PP - L)$
- Support 1 (S1): $(2 * PP) - H$
- Support 2 (S2): $PP - (H - L)$
- Support 3 (S3): $L - 2 * (H - PP)$

Notice: The key is the $2 * O$ in the PP formula. This gives the current open price twice the weight of the previous high or low, making the entire system more sensitive to the current market context.

How to Interpret and Use Woodie Pivots in Forex

The interpretation is similar to other pivot systems, but traders often find Woodie's levels to be more precise for intraday trading.

1. General Bias

- Bullish Bias: Price trading above the central Pivot Point (PP).
- Bearish Bias: Price trading below the central Pivot Point (PP).

2. Trade Entry and Exit

- The levels (S1, S2, R1, R2) act as potential support and resistance.
- A common strategy is to buy at support (e.g., a bounce off S1) with a target at the next resistance (PP or R1) and a stop loss below the support level.
- Conversely, sell at resistance (e.g., a rejection at R1) with a target at the next support (PP or S1) and a stop loss above the resistance level.

3. Role Reversal

- If a resistance level is broken, it can often become a new support level for the next leg up.
- If a support level is broken, it can often become a new resistance level for the next leg down.

Woodie vs. Classic Pivot Points: A Quick Comparison

Feature	Classic Pivot Point	Woodie Pivot Point
Calculation Focus	Based purely on yesterday's H, L, C.	Based on yesterday's H, L, but weighted by today's Open.
Responsiveness	Less responsive; levels are static for the day.	More responsive and dynamic due to the inclusion of the current open.
Philosophy	"Where did the market <i>end</i> yesterday?"	"Where did the market <i>end</i> yesterday, and where does it <i>start</i> today?"

Best For	Identifying broader, static S/R levels for the session.	Intraday traders who want levels that account for the current session's opening sentiment.
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A Practical Forex Example

Let's say we are trading the GBP/USD on a daily chart.

- Yesterday's High (H): 1.2700
- Yesterday's Low (L): 1.2650
- Today's Open (O): 1.2680

Calculating Woodie Pivots:

- $PP = (1.2700 + 1.2650 + 2 * 1.2680) / 4 = 1.2678$
- $R1 = (2 * 1.2678) - 1.2650 = 1.2706$
- $S1 = (2 * 1.2678) - 1.2700 = 1.2656$

Scenario: The price opens at 1.2680 and starts to rise. It pulls back but finds strong support right at the Pivot Point (PP) level of 1.2678 and then bounces higher. A trader might see this as a confirmation of bullish strength and enter a long position, targeting R1 at 1.2706.

Advantages and Disadvantages

Advantages

✓ More Dynamic: Incorporates the current market's opening sentiment.

✓ Often More Accurate: Many day traders find Woodie levels "respect" price action better than static Classic levels.

✓ Excellent for Intraday: Its responsiveness is ideal for short-term timeframes (e.g., 1-hour, 15-minute).

Disadvantages

✗ Can Be Noisy: The levels may shift more dramatically if the open is far from the previous close, leading to potential false signals.

✗ Less Universal: Not as widely watched as Classic Pivots, so the collective "market mind" may not be focusing on them.

✗ Requires the "True Open": You need an accurate opening price for your specific timeframe (e.g., the 5:00 PM NY close for the daily Forex chart).

Conclusion

The Woodie Pivot Point is a powerful tool for traders who believe the market's opening price carries significant information. It provides a dynamic set of support and resistance levels that can be highly effective for intraday Forex trading.

For best results, use it in conjunction with other confirming indicators, such as price action patterns (doji, engulfing bars), volume, or momentum oscillators (RSI, Stochastic), to filter out false signals and improve the probability of your trades.



WEEKLY HIGH & LOW

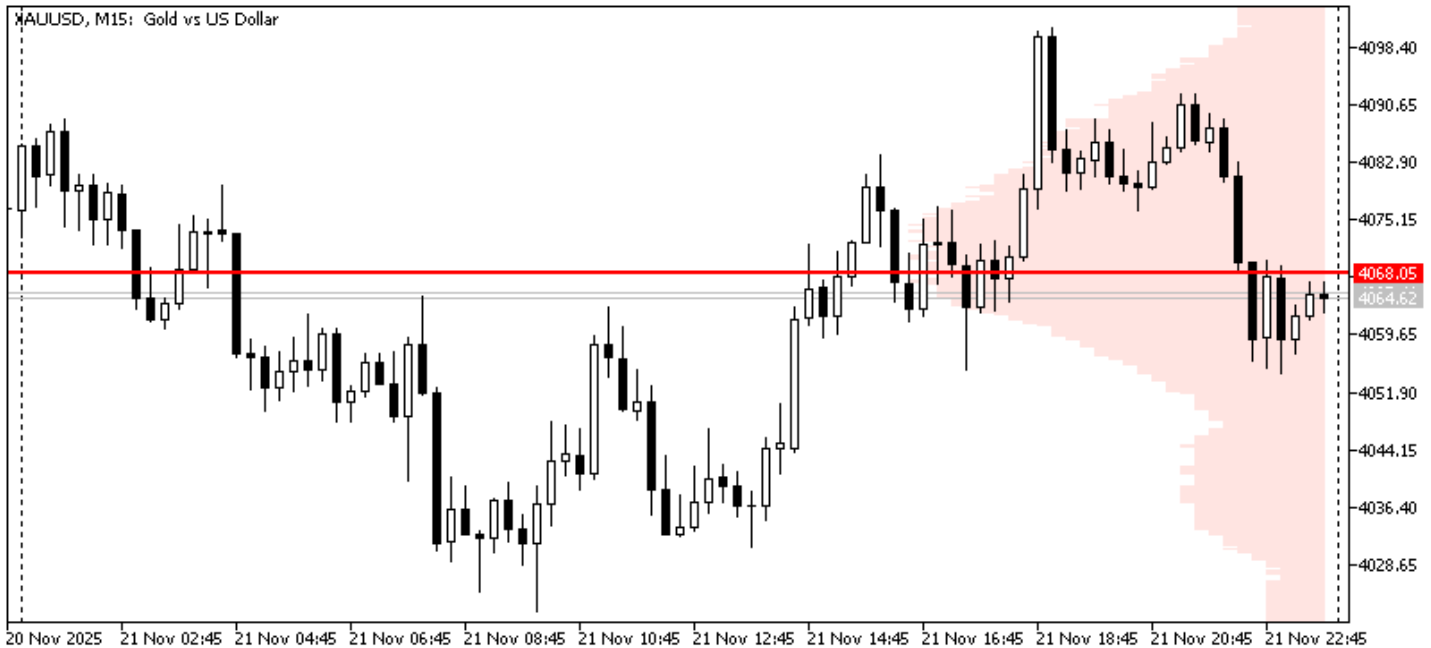
These prices can be supports or resistances.



CURRENCY METER

On this particular day, CAD is strong @ 9.1 and EUR is very weak @ 3.0.
So we should **SHORT/SELL** EURCAD more than buying.

Volume Profile



The Core Concept: Volume at Price, Not Just in Time

Traditional volume indicators (like the volume bar at the bottom of the chart) show how much trading activity occurred *in a specific time period* (e.g., one hour, one day).

The Volume Profile changes the perspective. It shows how much trading activity occurred *at a specific price level* over a user-defined period.

In simple terms:

It tells you where the market *actually* did its business, revealing the most and least traded price levels, which become crucial support and resistance zones.

The Anatomy of a Volume Profile

When you apply a Volume Profile to a chart, you'll see a histogram attached to the price axis (usually on the left or right). This histogram is made up of three key components:

1. Point of Control (POC):
 - This is the price level with the highest traded volume over the selected period.
 - It represents the fairest price agreed upon by buyers and sellers—the "center of gravity" for the market during that time.
2. Value Area (VA):
 - This is a range of prices that contains a certain percentage (typically 70%) of the total traded volume for the period.
 - It represents the "fair value" zone where most trading activity happened. The market is considered balanced when price is inside the Value Area.
3. Value Area High (VAH) & Value Area Low (VAL):
 - These are the upper and lower boundaries of the Value Area.
 - They act as strong dynamic support and resistance levels.
4. Low Volume Nodes (LVNs):
 - These are the price levels with very little trading activity.
 - The market moves through these areas quickly. They often appear as "gaps" in the profile and can act as acceleration zones once broken.

5. High Volume Nodes (HVN):

- These are price levels with a significant amount of volume (including the POC).
- They represent strong support/resistance areas where price may slow down, pause, or reverse.

A Crucial Note on Forex and Volume Data

This is the most important point to understand about using Volume Profile in Forex:

The Forex market is decentralized (Over-The-Counter), meaning there is no single exchange to report total volume.

Instead, Forex trading platforms use Tick Volume as a proxy for actual volume.

- Tick Volume: The number of price changes (ticks) in a given period.
- The Assumption: A higher number of price changes indicates higher trading activity and interest, and vice-versa. While not perfect, tick volume is highly correlated with actual market activity and is effective for Volume Profile analysis.

How to Use Volume Profile in Forex Trading

Volume Profile helps you understand market structure and make better trading decisions.

1. Identifying Key Support and Resistance

This is its primary use.

- HVNs, the POC, VAH, and VAL are all potential zones where price may react.
- If price approaches a previously established HVN from below, it may act as resistance. If approached from above, it may act as support.

2. Breakout and Breakdown Confirmation

- A decisive price break out of the Value Area, especially on high volume, signals a potential new trend.
- If price breaks a HVN level and holds, it indicates strong conviction. The broken HVN then often flips its role (e.g., resistance becomes support).

3. Understanding Market Context: Trend vs. Range

- In a Trend: The Volume Profile shape will be uneven. In an uptrend, the profile often extends upwards with HVNs building at higher prices. In a downtrend, it extends downwards.
- In a Range/Balanced Market: The Volume Profile will have a more symmetrical, bell-curve-like shape, with a clear POC in the middle of the range.

4. The "Low Volume Node Break"

- When price moves from one HVN to another, it often moves very quickly through the LVN in between. A break through an LVN can signal a continuation move as there is little volume (and thus little trading interest) to hold the price there.

A Practical Forex Trading Example

Scenario: You are analyzing the EUR/USD daily chart and apply a Volume Profile over the last 30 days.

1. The Setup: You see a well-defined Value Area between 1.0850 (VAL) and 1.0950 (VAH), with a POC at 1.0900. Price is currently at 1.0970, above the Value Area.
2. The Signal: Price turns down and falls back towards the Value Area. It briefly breaks below the VAH but finds strong support *right at the POC* (1.0900), forming a bullish hammer candlestick.
3. The Interpretation: The market has returned to its "fair value" area and found a massive amount of buying interest at the most important price level (the POC). This is a high-probability area for a bounce.
4. The Action: You enter a long (buy) trade with a stop loss just below the VAL (1.0850). Your initial profit target could be at the recent high or the next HVN above.

Advantages and Disadvantages

Advantages

✓ Reveals True Market Interest: Shows where smart money likely entered positions.

✓ Provides Concrete Price Levels: Gives specific, non-arbitrary S/R zones to trade from.

✓ Superior to Horizontal S/R: Dynamic and based on actual market activity, not just past highs/lows.

✓ Helps Gauge Market Fair Value: The Value Area concept helps you understand if price is "cheap" or "expensive."

Disadvantages

✗ Based on Tick Volume: Not actual volume, which can be a concern for some purists.

✗ Lagging Indicator: The profile is built on past data; the market may have already moved on.

✗ Curve-Fitting Bias: It's easy to look at a historical profile and see "perfect" levels, but it's harder in real-time.

✗ Complexity: It adds visual clutter to the chart and has a steep learning curve.

Conclusion

The Volume Profile is a powerful tool that shifts your analysis from a time-based view to a price-based view of market activity. For Forex traders, it provides a deep understanding of where the real battles between buyers and sellers took place, revealing:

- Key support and resistance zones (HVN's)
- The market's fair value area (VA)
- The most critical price equilibrium point (POC)

While the use of tick volume is a compromise, it is an effective one. When combined with price action analysis and other confirming tools, Volume Profile can significantly improve your ability to identify high-probability trade setups and manage risk.

TMA (*Triangular Moving Average*)

▲ Triangular Moving Average with Center of Gravity

It's a **hybrid indicator** that combines:

- **TMA** (Triangular Moving Average) → smoothing
 - **CG** (Center of Gravity, by John Ehlers) → low-lag responsiveness
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What each part does

▲ **TMA (Triangular Moving Average)**

- Very smooth
- Removes noise
- Adds lag
- Often used as a **channel / mean line**

CG (Center of Gravity – Ehlers)

- DSP-based indicator
 - Extremely **low lag**
 - Responds quickly to price changes
 - Designed to find the **balance point** of price
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What TMA CG actually is

TMA CG applies Center-of-Gravity logic to a TMA-smoothed price, giving you:

- ✓ Smoother than pure CG
- ✓ Faster than pure TMA
- ✓ More stable turning points
- ✓ Cleaner cycles & swings

Think of it as:

“A low-lag TMA with intelligence.”

How traders use TMA CG

① **Mean-reversion trading (most common)**

- Price near **upper band** → sell zone
- Price near **lower band** → buy zone
- CG helps catch **earlier reversals** than normal TMA

② **Trend filtering**

- CG slope up → bullish bias
- CG slope down → bearish bias
- Flat CG → range / chop

③ **Entry timing**

- TMA gives structure
 - CG gives timing
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👉 This TMA does **repaints**

🧠 In one sentence

TMA CG is a smoothed, low-lag trend & mean-reversion indicator that blends TMA structure with Ehlers' Center-of-Gravity logic.

