

LOT SIZE CALCULATOR T1

User Guide

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MULTI-TP

RISK ZONES

DRAWDOWN SIM

8 CURRENCIES

Pine Script v6 | TradingView Compatible | Version 1.0

Built with precision. Trade with discipline.

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1. Getting Started

Installation

1. Open TradingView and navigate to any chart.
2. Click the **Pine Editor** tab at the bottom of the screen.
3. Delete any existing code and paste the full Lot Size Calculator T1 script.
4. Click **Add to chart** (or press Ctrl+Enter).
5. The indicator will prompt you to click on the chart to set Entry, Stop Loss, and Take Profit levels.

Setup Flow: When first applied, the indicator asks you to click on the chart in this order: **Entry** first, then **Stop Loss**, then **TP1** (and TP2/TP3 if multi-TP mode is selected). This follows the natural trade planning flow.

60-Second Quickstart

After adding the indicator to your chart:

Step	Action	Result
1	Open settings, set Balance + Risk %	Calculator knows your risk budget
2	Click chart to set Entry price	Entry level locked
3	Click chart to set Stop Loss	SL distance calculated in pips
4	Click chart to set Take Profit	RR ratio + lot size displayed
5	Read the table (bottom-right)	Your exact lot size is highlighted in green

Pro Tip

Set your Balance and Risk % once, then just click Entry/SL/TP on each new trade. The lot size updates instantly. No math required.

2. Settings Reference

Settings are organized into 8 groups that follow a natural trading workflow. Open the indicator settings to see all groups.

Account

Setting	Default	Description
Balance	1,000	Your trading account balance
Currency	USD	Account currency (USD/EUR/GBP/JPY/AUD/CAD/CHF/NZD)
Risk Type	% of Balance	Risk as percentage or fixed dollar amount
Risk %	1.0	Percentage of balance to risk per trade
Risk Amount	10	Fixed dollar amount to risk (if Risk Type = Fixed)

Position

Setting	Default	Description
Mode	Manual	Manual: click chart. Auto (ATR): SL from ATR multiplier
Entry	0.0	Click chart to set entry price
Stop Loss	0.0	Click chart to set stop loss price
Risk Reward (Auto)	2.0	Auto-calculate TP from SL distance x this multiplier
Custom Lot Override	0.0	Override calculated lots (0 = use calculated)

Take Profit

Setting	Default	Description
TP Mode	Single	Single: 1 TP. 2/3 Targets: split lots across TPs
TP1 Price	0.0	Click chart to set primary take profit
TP1 %	33	Lot allocation for TP1 (multi-TP only)
TP2 Price	0.0	Second take profit (ignored in Single mode)
TP2 %	33	Lot allocation for TP2 (2 or 3 Targets only)
TP3 Price	0.0	Third take profit (ignored in Single/2 Targets mode)
TP3 %	34	Lot allocation for TP3 (3 Targets only)

Note: Pine Script cannot conditionally hide input fields. TP2 and TP3 inputs always appear in the settings panel, but they are completely ignored when TP Mode is set to Single. Tooltips on each field clarify which mode they apply to.

ATR Settings

Setting	Default	Description
ATR Multiplier	2.0	Multiplied by ATR to calculate auto stop loss distance
ATR Period	14	Number of bars for ATR calculation
ATR Timeframe	Chart	Use a different timeframe for ATR (blank = chart TF)

Trading Costs

Setting	Default	Description
Spread (ticks)	0	Broker spread in ticks/points. 0 = no spread cost
Commission \$/lot	7.0	Round-trip commission per standard lot
Show Break-even	Yes	Display break-even distance in pips
Show Cost Panel	Yes	Display cost section in table

Drawdown Rules

Setting	Default	Description
Max Drawdown %	5.0	Maximum allowed drawdown (for prop firm simulation)
Show Simulator	Yes	Display consecutive-loss-to-breach calculation

Instrument

Setting	Default	Description
Type	Auto-detect	Auto-detect, Forex Major, JPY Pairs, Gold/Silver, etc.
Contract Size	100,000	Standard lot size (auto-set by Type for known instruments)
Pip Precision	2	Decimal places for lot size display
Units	Pips	Display distances as Pips, Ticks, or Points

Display

Setting	Default	Description
Compact Mode	Off	Condenses market data and costs into single rows

Position	Top Right	Table position: Top/Bottom + Right/Left
Labels	Table + Chart	Show labels on chart boxes, or table only
Text Size	Normal	Auto, Tiny, Small, Normal, or Large
Profit Color	Green	Color for TP zones and profit text
Loss Color	Red	Color for SL zones and risk text

3. Key Features

Multi-Target Take Profit

Split your position across up to 3 take-profit levels with independent lot allocation. Each TP gets its own lot size calculated proportionally from your total position.

How it works

Set TP Mode to '2 Targets' or '3 Targets', then set TP prices and allocation percentages. Example: 0.81 total lots with TP1=33%, TP2=33%, TP3=34% splits into 0.27L + 0.27L + 0.28L. Allocations auto-normalize to 100% if they don't sum correctly. The table shows a **Blended RR** (weighted average across all TPs) and individual lot sizes per TP.

TP Mode	Tps Used	Allocation	Table Shows
Single	TP1 only	100% to TP1	Single RR, one lot size
2 Targets	TP1 + TP2	Custom split	Blended RR, 2 partial lots
3 Targets	TP1+TP2+TP3	Custom split	Blended RR, 3 partial lots

Color-Coded Risk Zones

The entire risk section of the table changes color based on your risk percentage, giving you an instant visual gut-check before entering a trade.

Zone	Risk Range	Color	Meaning
SAFE	0 - 1%	Green	Conservative, prop-firm friendly
MODERATE	1 - 2%	Yellow	Standard retail risk
AGGRESSIVE	2 - 3%	Orange	Higher risk, use with caution
DANGER	3%+	Red	High risk, potential over-leverage

Drawdown Simulator

Shows how many consecutive losing trades it would take to breach your maximum drawdown limit. Essential for prop firm traders who need to protect their funded accounts.

How it works

Formula: Consecutive losses to breach = Max Drawdown % / Risk % per trade (rounded down). Example: 5% max DD at 1% risk = 5 consecutive losses before breach. The display changes color: green (5+), yellow (3-4), red (1-2). In compact mode, this condenses into a single-line bar.

True Cost Estimation

Calculates the real cost of your trade including spread and commission, then shows how many extra pips you need to break even.

Component	Formula
Spread Cost	Live spread (in price) x contract size x lots
Commission	Commission per lot x total standard lots
Total Cost	Spread cost + Commission
Break-even	Total cost / (pip value per lot x standard lots) in pips

Instrument Auto-Detection

The calculator automatically detects your instrument type and sets the correct contract size. No more cryptic 0-4 configuration codes.

Instrument Type	Contract Size	When to Use
Auto-detect	Varies	Default. Detects forex/gold/silver automatically
Forex Major	100,000	EUR/USD, GBP/USD, etc.
Forex Cross	100,000	EUR/GBP, AUD/NZD, etc.
JPY Pairs	100,000	USD/JPY, EUR/JPY (different pip calc)
Gold/Silver	100 / 1,000	XAU/USD, XAG/USD
Crypto	Custom	BTC, ETH, etc.
Indices	Custom	US30, NAS100, SPX500
Custom	User-defined	Any instrument with custom contract size

8 Account Currencies

Full support for USD, EUR, GBP, JPY, AUD, CAD, CHF, and NZD account currencies. Pip values are automatically converted using daily close cross-rates when your account currency differs from the instrument's quote currency.

Cross-rate conversion: If you trade EUR/USD with a GBP account, the calculator fetches the GBP/USD daily rate and converts pip values accordingly. This ensures your lot size is accurate regardless of account currency.

Compact Mode

Toggle compact mode for live trading when you need minimal screen space. Market data and costs condense into single rows, drawdown shows as a mini bar. All critical info (lot size, risk, RR) remains visible.

4. Chart Overlay

When Labels is set to 'Table + Chart', the indicator draws colored boxes and labels directly on your chart showing entry, stop loss, and take profit zones.

Element	Color	Information Shown
SL Box	Red (transparent)	Stop loss zone from entry to SL
TP1 Box	Green (transparent)	First take profit zone
TP2 Box	Teal (transparent)	Second TP zone (multi-TP only)
TP3 Box	Light teal (transparent)	Third TP zone (multi-TP only)
Entry Label	Risk zone color	Direction, price, lot size, RR ratio
SL Label	Red	SL price, distance in pips, risk in \$
TP Labels	Green/Teal	TP price, pips, partial lots + allocation %

Label Positioning

The entry label (LONG/SHORT) is positioned slightly below the SL zone for long trades, or slightly above for short trades. This keeps it out of the price action area so it doesn't obstruct candles. If labels overlap on tight stops, zoom in or switch to 'Table Only' mode.

Each TP box uses a graduated color scheme: TP1 is standard green, TP2 is teal, TP3 is light teal. This creates a visual gradient showing your scaling targets.

5. Use Cases

Prop Firm Trader

Trading a funded account with strict drawdown rules. Need precise lot sizing to protect the account.

Setting	Recommended Value
Balance	Your funded account size (e.g. 100,000)
Risk %	0.5 - 1.0%
Max Drawdown %	Match your prop firm rules (5%, 8%, 10%)
Show Simulator	Yes (monitor consecutive loss risk)
Spread (ticks)	Set to your broker's typical spread
Commission	Set to your actual round-trip commission

Scalper

Fast execution, tight stops, multiple trades per session. Costs matter.

Setting	Recommended Value
Risk %	0.25 - 0.5%
Compact Mode	Yes (minimize screen clutter)
Show Cost Panel	Yes (break-even critical for tight stops)
Text Size	Small or Tiny
Labels	Table Only (less chart clutter)

Swing Trader

Wider stops, multiple targets, holding for days. Multi-TP scaling is key.

Setting	Recommended Value
Risk %	1.0 - 2.0%
TP Mode	2 or 3 Targets
TP Allocation	50/50 or 40/30/30
Mode	Auto (ATR) for volatility-based stops

ATR Multiplier	1.5 - 3.0
Labels	Table + Chart (visualize scaling zones)

Gold (XAU/USD) Trader

Setting	Recommended Value
Instrument Type	Gold/Silver (or Auto-detect)
Risk %	0.5 - 1.0% (gold moves fast)
Spread (ticks)	20-50 ticks typical for gold
Commission	Check your broker (often \$0 for gold CFDs)

Crypto Trader

Setting	Recommended Value
Instrument Type	Crypto
Contract Size	Set to your exchange's contract size
Risk %	0.5 - 1.0% (high volatility)
Units	Points (crypto uses points, not pips)

6. Troubleshooting

Table shows but lot size is 0 or wrong

Check that Entry and Stop Loss are set (not 0.0). Open settings and click the chart to re-set price levels. Also verify your Balance is correct.

Error table appears: 'Set entry price'

The indicator needs Entry, SL, and TP prices to calculate. Click the chart to set each one, or enter prices manually in the settings panel.

TP2/TP3 inputs appear in Single mode

This is a Pine Script platform limitation. Inputs with `confirm=true` cannot be conditionally hidden. TP2 and TP3 are completely ignored when TP Mode is 'Single'. Only TP1 is used.

Lot size seems too large or small

Verify: (1) Account Balance is correct, (2) Instrument Type matches your chart, (3) Contract Size is right for your broker. Try 'Auto-detect' first.

Pip values look wrong on JPY pairs

Make sure Instrument Type is set to 'JPY Pairs' or 'Auto-detect'. JPY pairs use 2-digit pip calculation (0.01) instead of 4-digit (0.0001).

Labels overlap on the chart

This happens with tight stops where entry and SL are close together. Solutions: switch Labels to 'Table Only', reduce Text Size, or zoom into the chart.

Break-even shows 0 pips

Set Spread (ticks) to your broker's typical spread and/or set Commission per lot. With both at 0, there's no cost to calculate break-even from.

Cross-rate conversion not working

Ensure your Account Currency is set correctly. The calculator uses daily close rates from TradingView's data. Some exotic currency pairs may not have cross-rate data available.

7. FAQ

Q: Does this indicator place trades?

No. This is a calculator only. It tells you the correct lot size based on your risk parameters. You still place trades manually through your broker.

Q: Can I use this on any instrument?

Yes. It works on forex, gold, silver, indices, crypto, and any other instrument on TradingView. Use Auto-detect for most instruments, or select the specific type for best accuracy.

Q: What's the difference between Pips, Ticks, and Points?

Pips: Standard forex unit (0.0001 for most pairs, 0.01 for JPY). Ticks: The smallest price movement on TradingView. Points: Full integer price movement. Choose what matches your broker's terminology.

Q: How accurate is the lot size calculation?

The calculation follows the standard formula: $\text{Risk Amount} / (\text{Pip Value} \times \text{SL Distance})$. It accounts for contract size, pip value in account currency, and cross-rate conversion. Always verify with your broker's lot size calculator for the first few trades.

Q: Why does the Blended RR differ from individual TP RRs?

Blended RR is a weighted average based on your lot allocation percentages. If TP1 (33%) has RR 1:2 and TP2 (67%) has RR 1:4, blended = $(2 \times 33 + 4 \times 67) / 100 = 1:3.34$

Q: Can I save my settings as a template?

Yes. After configuring your settings, click the three dots on the indicator name, then 'Save as default'. Next time you add the indicator, it will use your saved settings.

Q: How do I reset all settings?

Open the settings panel and click the 'Defaults' button at the bottom-left corner. This restores all settings to their original values.

Q: Does it work on mobile?

TradingView mobile supports Pine Script indicators, but the table may be harder to read on small screens. Use Compact Mode and a larger Text Size for best results on mobile.

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