

Currency strength Meter:

1. Filter all 100% tradeable symbols with CMS and open trade for only symbols which both in CMS and our EA 100% tradeable symbols
2. This work only with FX symbols not others.
3. Add option to use CMS filter or not
4. If CMS does not agree only our EA, then use low risk option and this is just for normal days not 1%risk days, so it only works with mid or high-risk level at low-risk lot size. Make this option enables and disabled to use or not. (Check point 13)
5. If our EA show tradeable pairs and CSM not showing tradeable yet, then check the CMS value for both individual currencies to that it is increasing or decreasing, Eg; Our EA show BUY GBPJPY 100% but on CMS GBP still below 60 but it is increasing and other one JPY is below 40 then consider it to open trade, add option for what risk level use to open trade low, mid, high.
6. Add option to close the trade when symbols are not more tradeable in CMS, this work indicator based close so if both enabled and anyone give close then close the trade.
7. Able to change the CMS indicator settings.
8. Add column on dashboard which shows CMS tradeable pairs for the seletecd algo model.
9. Add option to show or not show SL, TP, Tradeable Closeable, CMS tradeable and CMS closeable when enabled then show them on dashboard if disabled not show on dashboard this just for Dashbrod show only.
10. Add option to show or not selected indicators or all on dashboard.
11. Add number of tradeable and closeable symbols in () eg (5)
12. CMS close levels below 50 and above 50, CMS open is 60,40 60+ buy and 40 below sell, so when sell go above 50 and buy go below 50 then close by CMS options or just close when CMS no signals match. 50,50 closes to in normal days only other days just close when CMS does not give signals and our EA avg reach at diff close level which work with CMS here we use sperate close %age. And make this option enabled or disabled to close by considering CSM or just indicator based.
13. If possible add increase and decrease for CMS, above 60 is BUY and below 40 is sell, keep BUY if increasing above 60, and sell if decreasing below 40, if start decreasing from above 60 then no signal for BUY if decreasing from below 40 then no SELL signal, but this no signal do not consider the closing for closing we use levels eg if drop below 50 then close BUY if cross above 50 close SELL ones. Eg If EUR increased above 50 from sell level and USD decrease from 50 then close EURUSD SELL.
14. CSM EA code can be found in this link where you can see how to be attached CSM indictor with this EA. <https://www.mql5.com/en/blogs/post/738431>.
15. Make indictor based and CSM combine closing with different rules, eg Indictors based 60% along with CSM Sell cross above 50 and Buy below 50 then both indicators based 60% and CSM then close. Eg; AUD CSM was 60 and CHF was 30 so this make Buy AUDCHF trade, now AUD start falling from 60 and drop to below 50 at 45 level and CHF start increasing from below 40 and reached on above 50 level to 55 CSM so now AUD is below and CHF is above 50 and indictors

based also 60% or below, then close the AUDCHF buy trade, if trade close in -ve then it is considered in Max trade and -ve or %age account loss filters data.

16. Make CSM tradeable on Dashbrod along with current time CSM values for reach currency from the strongest to weakest. And show increase and decrease. For this you can do chart.
17. Set CSM and indictor based internal time to check eg; current time frame or other, and do action as per set time frame eg on 1hr chart if current chart the check after 1hr if 15 mins on 1hr chart the do after every 15 mins
18. Make CSM tradeable based on default or increase decrease.
19. Set Max daily and weekly limit to trade along with +ve and -ve close for each individual currency using CSM eg; Max daily limit for AUD is 5 so take max 5 AUD pairs trade day, similarly same for max weekly and Max +ve and -ve daily, weekly close.

BUY WHEN FIRST IS STRONG		SELL WHEN SECOND IS STRONG	
AUD	AUDCAD	EURAUD	AUD
	AUDCHF	GBPAUD	
	AUDJPY	AUDCAD	CAD
	AUDNZD	EURCAD	
	AUDUSD	GBPCAD	
CAD	CADCHF	NZDCAD	
	CADJPY	USDCAD	
CHF	CHFJPY	AUDCHF	CHF
EUR	EURAUD	CADCHF	
	EURCAD	EURCHF	
	EURCHF	GBPCHF	
	EURGBP	NZDCHF	
	EURJPY	USDCHF	
	EURNZD	EURGBP	GBP
	EURUSD	AUDNZD	NZD
GBP	GBPAUD	EURNZD	
	GBPCAD	GBPNZD	USD
	GBPCHF	AUDUSD	
	GBPJPY	EURUSD	
	GBPNZD	GBPUSD	
	GBPUSD	NZDUSD	
NZD	NZDUSD	AUDJPY	JPY
	NZDCAD	CADJPY	
	NZDCHF	CHFJPY	
	NZDJPY	EURJPY	
USD	USDCAD	GBPJPY	
	USDCHF	NZDJPY	
	USDJPY	USDJPY	

BUY WHEN FIRST IS STRONG		
AUD	AUDCAD	
	AUDCHF	UP/BUY
	AUDJPY	UP/BUY
	AUDNZD	
	AUDUSD	
CAD	CADCHF	
	CADJPY	
CHF	CHFJPY	
EUR	EURAUD	
	EURCAD	
	EURCHF	
	EURGBP	
	EURJPY	
	EURNZD	
	EURUSD	
GBP	GBPAUD	DOWN/SELL
	GBPCAD	
	GBPCHF	
	GBPJPY	
	GBPNZD	
	GBPUSD	
NZD	NZDUSD	
	NZDCAD	
	NZDCHF	
	NZDJPY	
USD	USDCAD	
	USDCHF	
	USDJPY	

Filters

1. Keep all filters with option of enable and disabled.
2. Maximum number of trades for each symbol. Along with Hedge only option, e.g., if Max trade is 1 and hedge is enabled then it can keep both long and short position just 1 for each.
3. Maximum number of accounts loss to stop taking more new trade, e.g. if loss hit 50% of account do not take more trades and EA stop.
4. Maximum number of losses of trade daily to stop taking orders for day only, e.g., 10 if 10 orders hit SL same day stop taking new orders.
5. Maximum number to hit daily and weekly SL on same symbol eg if daily 1 then if 1 time sl hit do not enter again and for weekly if 3 if 3 time SL hit on same symbol do not enter again for this week.
6. Max number to enter in day after hit SL or -negative close in same symbol and all symbols daily and weekly. (3).
7. Max number to enter in day after hit TP or +ve close in same symbol and all symbols daily and weekly.
8. Max number to trade daily and weekly for each symbol and for all symbols e.g., if 2 daily and 5 weekly then same symbol does not trade more than 2 times in day and 5 times weekly.
9. Close full or partial for all running symbol when reached at xx %age of account profit, set daily and weekly profit %age limit when that limit is reached then stop taking new signals for the day. Eg 20% daily limit when account reached 20% in profit close all or partial. Or option with just to hold the little %age of only those position those SL are above Entry level.
10. Special symbol option for all above filters which is valid just for few specific symbols not all.
11. Max Draw down reach limit after that stop taking new trades.
12. DO NOT ENTER XXHRS before and after the NEWS US high impact
13. Special Symbols risk management TP, SL, %age SL, and filters.
14. Close all or partial when reached at XX% age of total profit of running trade e.g. if all trades TP profit is 100 then if set 80% then close all or partial when reach at \$80.
15. *Trades which close on SL in profit due to trailing SL this does not consider in filtering because this trade close in profit and same for BE hit trades where show little negative due to spread or commission on the trade close on completely BE.*
16. Make option to apply current EA strategy on all running trades e.g., like trailing sl and others.
17. Option to close all trades with Day and time, E.g., on Friday on 20:00.
18. Option to close x partial for trades with Day and time, E.g., on Friday on 20:00.
19. Option to close all Profit or Loss trades with Day and time, E.g., on Friday on 20:00.
20. Options with not to take trades for the specific time daily and weekly. E.g., First 2 hr. on Every Monday no take trade.
21. Max Draw down reach limit after that stop taking new trades.
22. Close all Position when Down Draw reach xxx %age of account.
23. Close all position when xx %age profit of account. (For all position)
24. Close the position when reach xx %age profit of account (just one position not all positions)
25. Add 3 risk options which will be used for certain time events, e.g., Low risk 1% during NEWS or public holiday or at end of the month/week and start of the month/week. Mid risk 2%, High risk 3%, this is risk per trade based on the SL and account balance.

26. Options to close all trade on day end for day trading strategies.
27. Add different risk settings and close option for month end and month start. Just like same above for weekly.
28. Option for risk to trade every Monday e.g. I want Mid or low risk on Monday. And same for month end and month start and for public holiday.
29. Make each option and filter with enabled and disabled so only selected option and filters work.
30. Just like different risk management for different events eg every Monday, Month start and End, First and last week of the month, Use different TP options for this, eg 1% is low risk settings and I want TP Rtr 2 for this whenever trade with 1% case, same for all other high and mid risk levels.
31. For each risk level add the events to consider eg; low risk every Monday, First and last week of the month. In simple terms we have 3 risk settings which we can use for different cases.
32. Make daily, weekly and monthly gain limit in %age and close trades and stop taking new signals after reaching that %age level this only work when it is enabled, eg if 10% daily then when reach at 10% daily then close all trades and do not take more trades for day because target is already achieved, same with monthly and weekly limits.
33. Max number of consecutive -ve trade to EA stop trading (here add option to consider Risk of Ruined consecutive trade number of manual, eg 10, if 10 trade consecutive hit -ve close then stop EA until on again by user, do this for max daily and weekly limit.
34. Risk of ruined limit work with Max account loss to stop trading EA, eg if I set 50% limit for account loss to stop trading then risk of ruin find how many consecutive trade in -ve will be required to reach that limit. And count the probability for Risk of ruined. Check the below for Risk of ruin details.
35. Check individual from CSM among similar pairs and use mid risk settings for them eg; USD & CAD both are getting stronger but USD on top with 70 CSM and CAD 2nd with 65 CSM then use high risk level for top one related symbols which is USD and mid risk for 2nd one which is CAD, same if GBP & EUR getting weaker and GBP CSM is 20 and most weaker and EUR CSM is 25 2nd weakest then use high for the weakest which is GBP and mid for EUR, so here GBPUSD SELL will be high risk but EURUSD will be on mid risk, same GBPCAD, and EURCAD will be with mid risk settings. Make this option enables and disabled to use or not.
36. Make separate filters for each risk category.
37. Kindly make sure to test all filters carefully many times to make sure it works fine because it's hard to find issue in the filters especially related to trade close and risk category.
38. Make each filter option enables and disabled to use or not.
39. Add option to open trade immediately or wait until time farm interval is refresh, Eg for 1hr chart if I load EA now it open trade now or wait until hr is over then check all symbols again top open trade.
40. Max number of %age account loss daily weekly and monthly. Eg Account is \$1000 and daily limit is 5% so if account lost 5% in day stop taking new signal and close EA, here add option to close all, or just profit or loss running trades.
41. Same symbol reentry 2nd or more (can change from which level it take effect eg 3rd) with different risk management settings daily and weekly.
42. Risk of ruin value or default other manual value and probability to set as negative daily and weekly trade Max.
43. We just must mention the percentage level of loss, number of max trade and probability will be taken by risk of ruin.

44. Risk of ruin calculated for this EA or overall, same with other ratios which do in dashboard update.
45. consider other ratios for accurate TP and SL levels.
46. Overall account trailing SL(add 5 level options just like trailing %age SL), Eg; there are 7 trades open and their all combine TP is \$1000 (expected profit if all TP hit) and overall combine loss is -\$500 (expected loss if all SL hit) so now trade is running overall P&L in \$600 profit and which is 60% profit level and I want overall trade close at 40% of profit fall to \$400 then close all the trade, this will not impact on individual symbol SL level it remain the same as per settings and after closing all wait for refresh interval if 1hr then after hr end check all tradeable pairs and also consider the Max daily, weekly and all other +ve close %age account gain and loss limits.
47. I am using other EA as trailing SL right now if possible then consider this .Add higher or lower option with %age sl to consider and add level after which only %age will consider as TSL, eg when reach at 80% tp level then use only %age as TSL not ATR, when both are use then consider the SL which one is higher or lower, and for normal days and other days with different settings. Make this Enabled and disabled to use it or not. Later update we code inside trailing SL indicator based.
48. Add option for limits for Buy/sell for each and all symbols along with all other filters above.

Advanced Statistics	Trades	Summary	Hourly	Daily	Risk of Ruin	Duration	MAE/MFE					
Loss Size			100%	90%	80%	70%	60%	50%	40%	30%	20%	10%
Probability of Loss			<0.01%	<0.01%	<0.01%	<0.01%	<0.01%	0.05%	0.35%	1.93%	8.46%	31.15%
Consecutive Losing Trades			36	32	29	25	22	18	14	11	7	4
There is a 31.15% chance of losing 10% of the account. This will require 4 consecutive losing trades.												

Risk Management filter options:

<u>Low 1%</u>	<u>Mid 2%</u>	<u>High 3%</u>
Last week week of the month	Every Monday (for normal days only)	Normal Days all other then Low & Mid risk
First week of the month	US high impact NEWS day	
last day of the month		
first day of the month		
Option with whole month one or more eg August with low risk due to holidays and slow market		
Public Holidays (for each diff currency)		
<u>TP Rtr1</u>	<u>TP Rtr2</u>	<u>TP Rtr3</u>

Need 3 kinds of risk management categories which is mentioned above, it will in work different conditions which is mentioned above.

Add filters for each risk management category, eg during low risk I want max -ve weekly 10 but during mid risk days 15. Another example for each symbol max -ve or +ve or max trade numbers different for low and mid risk.

Similar trade pairs (*point 35 in filters*) which traded with low risk or mid risk during normal days.

Each risk category has different TP and SL, trailing SL settings options.

Basically need 3 types of risk category to trade with different risk in different kind of environment this will help to make better risk management.