

EA Data Logger

This Project is about an EA/Script that could monitor the Trades open manually and that could Close open Trades according to User Parameters. So there should be two Blocks and/or Algorithms on the EA/Script: **Monitoring Trades** and **Closing Trades**

The EA/Script performs its Algorithm only at First Tick of Every New Bar (**Open Prices**).

Monitoring the Trades

The EA/Script must monitor value of the Profit and Loss of open Trades and Plot its value in a Chart, according to these Specifications:

- A **green line** Plots the Average value of the Trades that are on Profit
- A **red line** Plots the Average value of the Trades that are on Loss
- A **yellow line** Plots the Average value of all the Trades

The above Values should also be Written/Displayed at the Chart.

At every First Tick of Every New Bar (Open Prices), the EA saves all these Values (Average Value) on a File.

Every time the EA/Script is loaded to a Chart, it must Load the values (Average Values) saved on the File.

Every value of **ZERO** of these Average Values, should never be taken in account, or the results would be misleading! This might happen when no Trade is Open.

Closing Trades

The EA/Script should Close Open Trades, according to User Parameters. There should be 3 different ways to perform this procedure; when conditions are met:

- Close All Trades
- Close Trades on Profit using Profit Value
- Closing Trades on Profit using ATR Indicator

Closing All Trades

Closing All Trades is performed according to this Formula:

If **Average Value of All Trades** => **Target X LotSize X 100** then Close All trades

And **Target** is an Input defined by User

Closing Trades using Profit Value

Closing Trades is Performed using this Formula:

If **Trade Profit**=>**Target X LotSize X 100** then Close Trade.

And **Target** is an Input defined by User

Closing Trades using ATR Indicator

Consider **Open Price**, the Price Level at which the Trade was Open

Formula for closing a Buy Trade: if **Factor X ATR**=> **Ask-Open Price**; the close Trade

Formula for closing a Sell Trade: if **Factor X ATR**=> **ABS (Bid-Open Price)**; then close Trade

And **Factor** is decimal number, that multiplies the **Value of the ATR** and is defined by User Input

Regard that on this specific method of closing the Trades using the ATR Indicator; each Asset/Currency **must have its own Values of Factor and ATR**

For example EURUSD, should have its own value of Factor and ATR.

This should be done to each major 28 Assets/Currency:

AUDCAD, AUDCHF, AUDJPY, AUDNZD, CADCHF, CADJPY, CHFJPY, EURAUD, EURCAD, EURCHF, EURGBP, EURJPY, EURNZD, EURUSD, GBPAUD, GBPCAD, GBPCHE, GBPJPY, GBPUSD, NZDCAD, NZDCHF, NZDJPY, NZDUSD, USDCAD, USDCHF and USDJPY.

Hope that these Requirements are clear enough to execute this Project.

Clean and cleaar Code is paramounta.

Heavily commented Code is also much appreciated.

A fair Price Quote is always taken in account.

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