

NeuroShell Trader

The On-Balance Volume, Volume-Price Trend and Modified Volume-Price Trend indicators described in David Hawkins' article can all be easily implemented in the NeuroShell Trader by combining a few of the NeuroShell Trader's over 800 indicators. To create the indicators, select '**New Indicator ...**' from the '**Insert**' menu and use the Indicator Wizard to create the following indicators:

On-Balance Volume Indicator:

$\text{CumSum}(\text{OBV}(\text{Close}, \text{Volume}, 1), 0)$

Volume-Price Trend:

$\text{CumSum}(\text{Mul2}(\text{Volume}, \text{Subtract}(\text{ROC}(\text{Close}, 1), 1)), 0)$

Modified Volume-Price Trend:

$\text{Add2}(\text{Level}, \text{Mul2}(\text{Scale}, \text{CumSum}(\text{Mul2}(\text{Volume}, \text{Subtract}(\text{ROC}(\text{Avg4}(\text{Open}, \text{High}, \text{Low}, \text{Close}), 1), 1)), 0)))$

Since NeuroShell was designed as a tool to make analytic automatic trading signals, it was not enough for us to suggest that users do visual analysis. Therefore we apply the power function to the MVPT indicator so that this indicator and the close can not only be plotted in the same scale for visual analysis, but also so users can compute meaningful spreads to use in rules and neural networks.

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Figure A: NeuroShell Modified Volume-Price Trend, On-Balance Volume, and Volume-Price Trend chart.

