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## True Strength Index (TSI) [1]

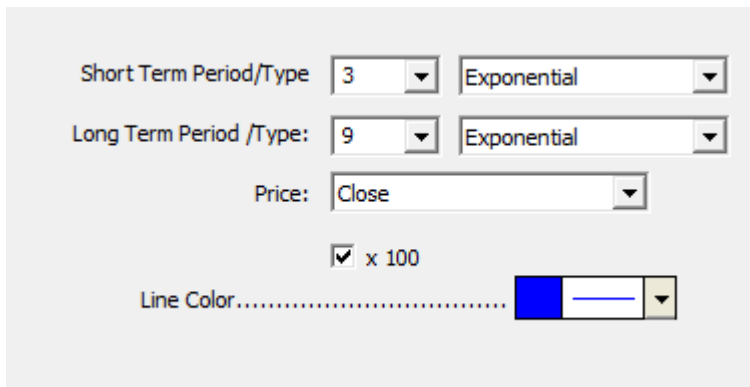
True Strength is a variation of the Relative Strength indicator. It uses a double smoothed exponential moving average of price momentum to eliminate choppy price changes and spot trend changes. This indicator has little or no time lag. An increasing True Strength value indicates increasing momentum in the direction of price movement.

### Presentation



Above is a 5 Minute Bar Chart of America Online (AOL). The bold blue line in the lower window pane represents the true strength index, as specified in the preferences below. The Preferences

### Preferences:



Short Term Period/Type: 3 Exponential

Long Term Period /Type: 9 Exponential

Price: Close

☒ x 100

Line Color: [Blue]

- **Short Term** - Second Period used in the double exponential smoothing of momentum.
- **Long Term** -First Period used in the double exponential smoothing of the momentum.
- **Price** -Price used as input for the calculations seen above.
- **Line Color** -Color of the TSI line in the chart.

## Formula Copy

```
TSI = NUM / DEN
where NUM =
MA(MA(Mom, Exp,
Long, m), Exp, n)
DEN = MA(MA(AbsMom,
```

## Related RTL Tokens

TSI

[Other](#) [2]

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**Source URL:** <https://www.linnsoft.com/techind/true-strength-index-tsi#comment-0>

### Links

[1] <https://www.linnsoft.com/techind/true-strength-index-tsi> [2] <https://www.linnsoft.com/indicator-tags/other>