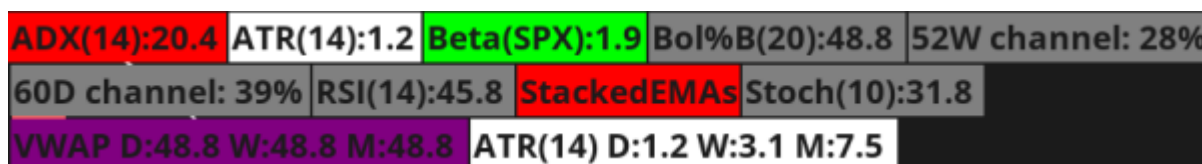


## John's Utility Labels & Chart Setup

The chart links below contain all of John's Utility Labels. Check out [this article](#) on how to import shared items into your ThinkorSwim.



### ADX:

**ADX(14):20.7**

In general terms, the label will be green (average price increase) or red (average price decrease) and a number > 20.

The label will be grey (neutral) if displaying a number < 20

### ATR:

**ATR(14):1.2**

Average True Range calculates the average true price range over a time period.

The ATR label simply displays the current value of the Average True Range. There is no color change in the label.

## Beta:

**Beta(SPX):0.6**

A ratio of an individual's stock historical returns to the historical returns of the stock market. If a stock increased in value by 12% while the market increased by 10%, the stock's beta would be 1.2.

The Beta label study may be set to use the following indexes as benchmarks: SPX, Nasdaq composite, Dow30 or Russell 2000 indexes.

Changes green if display a number > 1.

If < 1 then the label is white.

## Bol%B:

**Bol%B(20):59.1**

Bol%B is an indicator that appears at the top of your TOS chart.

Simply, the Bol%B is the % range that price is located inside the Bollinger Bands.

For example, using the Fibonacci retracement tool, we can visually show what the percent value price is between the lower and upper Bollinger Bands.

In this screenshot, if the range between the lower to upper B.Band is zero to 100%, then price is currently 18.3% up from the lower B.Band.



In this example, the label is telling us that price is 72% up between the lower and upper B.Bands.



## Channel Percent labels (52week and 60day):

### 52W Channel:

**52W channel: 8%**

Looks at the price channel based on a trading year.

If price is in the upper or lower 10% of its year range, the label will display as green or red respectively. Otherwise it considers itself neutral and will show as grey.

In other words, if the ticker is  $\geq$  to 90% of its 52 week high then the label will be green. If  $\leq$  to 10% of the 52 week low, then red.

## 60D Channel:

**60D channel: 104%**

Like the other label that displays in this study, it will show as green if price is equal or greater than 90% of its 60 day channel and red if equal or less than 10% of its 60 day channel.

Will display as neutral otherwise.

## RSI:

**RSI(14):74.3**

Relative Strength Index (RSI) rates the strength of a security comparing magnitudes of its recent gains and losses.

The RSI label study will show green when displaying a number  $>$  or  $=$  to 70 and red when  $<$  or  $=$  to 30.

Otherwise the label will be Gray.

## Stacked EMA:

**StackedEMAs**

When multiple EMAs are stacked one on top of another, the label will appear green.

When multiple EMAs are stacked one under another, the label will appear red.

Otherwise the label will be grey / neutral.

The EMA's are based on Fibonacci

## Stoch:

**Stoch(10):58.5**

Based on the Stochastic Full study, the label will display as green when the ticker is oversold, and red when overbought.

Otherwise the label will be Grey.

## VWAP:

**VWAP D:41.35 W:41.35 M:41.35**

VWAP: Volume-Weighted Average Price

Displays the Daily, Weekly and Monthly VWAP plot.

Upper and lower bands are not represented.

Study displays as purple / maroon.

## ATR DWM:

**ATR(14) D:1.1 W:3.3 M:6.1**

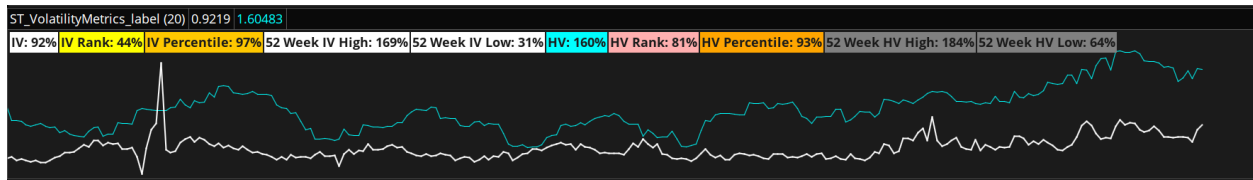
Average True Range calculates the average true price range over a time period.

The default range is 14 period.

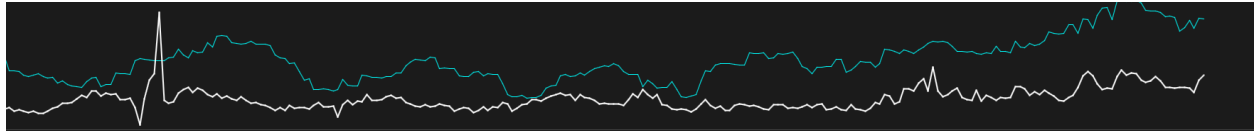
Displays the Daily, Weekly, and Monthly ATR values in one label.

Study displays as white.

## Volatility Metrics:



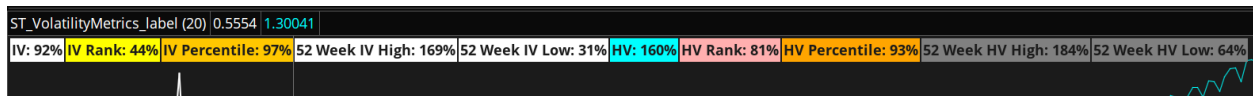
The labels and lines are part of one study called ST\_VolatilityMetrics and is meant to be displayed on a daily time frame. This study will not display on an intraday chart.



There are two lines graphed in the lower.

The cyan line represents HV. The HV period is adjustable in the input settings of the indicator.

The white line represents IV. The period is set to 252 and is not adjustable in the settings.



The label colors do not change.

The default input in the indicator settings is 20. Changing the input period in the settings will only affect HV and only affects the HV labels.

## Implied Volatility (IV)

Label displays as white.

Displays an estimation of the volatility calculated by the price of an option on that stock. For example, if the market price of an option rises without a change in the price of the underlying stock, implied volatility will have risen.

## **IV Rank**

Implied Volatility Rank. Label displays as yellow.

Calculates the current level of IV relative to the IV high and low over a 52 week period. For example, if the current IV is 40, then the current IV Rank would be 50%, if over the last year the IV low was 20 and the IV high was 60.

## **IV Percentile:**

Label displays as orange.

Calculates the percent of bars (days) where IV was lower than the current level. For example, a percent of 45% means that 45% of the past 52 weeks has had lower levels of IV than the current level.

## **52 Week IV High**

Label displays as white.

Calculates the IV high over the last 52 weeks

## **52 Week IV Low:**

Label displays as white.

Calculates the IV low over the last 52 weeks

## **Historical Volatility (HV)**

Label displays as cyan.

Calculates how much price deviates from its average.

## **HV Rank**

Historical Volatility Rank. The percent rank.

Label displays as pink.

## **HV Percentile**

Historical Volatility Percentile.

Label displays as orange.

Calculates the percent of days that were below the current HV.

## **52 Week HV High**

Label displays as gray.

Calculates the HV high over the last 52 weeks.

## **52 Week HV Low**

Label displays as gray.

Calculates the HV low over the last 52 weeks.