ATR Bands

TheTrdFloor PREMIUM · Nis 28

US Nas 100 · 15 · OANDA · TradingView
ATR Bands

`Bands and Channels` `multitimeframe` `Average True Range (ATR)` `stops` `stoploss` `target` `targetprice` `takeprofit` `ATR` `atrbands` `bands`

1048

Nis 28

In many strategies, it's quite common to use a scaled ATR to help define a stop-loss, and it's not uncommon to use it for take-profit targets as well. While it's possible to use the built-in ATR indicator and manually calculate the offset value, we felt this wasn't particularly intuitive or efficient, and could lead to the potential for miscalculations. And while there are quite a few indicators that plot ATR bands in some form or another already on TV, we could not find one that actually performed the exact way that we wanted. They all had at least one of the following gaps:

- The ATR offset was not configurable (usually hard-coded to be based off the high or low, while we generally prefer to use close)
- It would only print a single band (either the upper or lower), which would require the same indicator to be added twice
- The ATR scaling factor was either not configurable or only stepped in whole numbers (often time fractional factors like 1.5 yield better results)

To that end, we took to making this enhanced version to meet all of the above requirements. While we were doing so, we decided to take this opportunity to also make some non-functional enhancements as well:

- Updated the indicator to the most recent version of Pine
- Updated the indicator definition to allow alternate (non-chart) timeframe usage
- Made the input types explicitly defined to improve consistency
- Updated the inputs with appropriate minimum values and step sizes where appropriate
- Separated settings into logical groups
- Added helptext to the indicator settings noting usage and common settings values
- Explicitly titled the on-chart plots of the ATR bands so that they can more easily be identified and referenced in other indicators/scripts, as well as the Data Window

Food for thought: When looking at some of the behaviors of these ATR bands, you can see that when price first levels out, you can draw a "consolidation zone" from the first peak of the upper ATR band to the first valley of the lower ATR band that price will generally respect. Look for price to break and close outside of that zone. When that happens, price will usually (but not always) make a notable move in that direction, which can be used as either a potential trigger or as an additional confluence with other indicators/price action.

Finally, while we have made what we feel are some noteworthy updates and enhancements to this indicator, and have every intention of continuing to do so as we find worthy opportunities for enhancement, credit is still due to the original author: AlexanderTeaH

May 4

Sürüm Notları: Some basic configuration defaults tweaks based on user feedback:

- Updated default value for ATR Period (changed from 14 to 3)
- Updated default values for ATR Upper and Lower Band Scaling Factor (changed from 2 to 2.5)
- Updated helptext for ATR Scale Factor to reflect the updated defaults

Açık kaynak kodlu komut dosyası

Gerçek TradingView ruhuyla, bu betiğin yazarı, yatırımcının anlayabilmesi ve doğrulayabilmesi için onu açık kaynak olarak yayınladı. Yazarın eline sağlık! Bunu ücretsiz olarak kullanabilirsiniz, ancak bu kodun bir yayında yeniden kullanımı Kullanım Koşulları ile yönetilir. Bir grafikte kullanmak için favorilere ekleyebilirsiniz.

Feragatname

Bilgiler ve yayınlar, TradingView tarafından sağlanan veya onaylanan finansal, yatırım, işlem veya diğer türden tavsiye veya tavsiyeler anlamına gelmez ve teşkil etmez. Kullanım Şartları'nda daha fazlasını okuyun.

Bu komut dosyasını bir grafikte kullanmak ister misiniz?

★ Favori göstergelere ekle

```
1   // This source code is subject to the terms of the Mozilla Public License 2.0 at https://mozilla.org/MPL/2.0/
2   // © TheTrdFloor
3   //
4   // In many strategies, it's quite common to use a scaled ATR to help define a stop-loss, and it's not uncommon to use it for take-profit targets
5   // as well.  While there are quite a few indicators that plot ATR bands already on TV, we could not find one that actually performed the exact
6   // way that we wanted.  They all had at least one of the following gaps:
7   //   * The ATR offset was not configurable (usually hard-coded to be based off the high or low, while we generally prefer to use close)
8   //   * It would only print a single band (either the upper or lower), which would require the same indicator to be added twice
9   //   * The ATR scaling factor was either not configurable or only stepped in whole numbers (often time fractional factors like 1.5 yield better results)
10  //
11  // Also, when looking at some of the behaviors of the ATR bands, you can see that when price first levels out, you can draw a "consolidation zone" from
12  // the first peak of the upper ATR band to the first valley of the lower ATR band and look for price to break and close outside of that zone.  When that
13  // happens, price will usually make a notable move in that direction.
14  //
15  // While we have made some updates and enhancements to this indicator, and have every intention of continuing to do so as we find worthy opportunities
16  // for enhancement, credit is still due to the original author:  AlexanderTeaH
17  //
18  //@version=5
19  indicator('ATR Bands', overlay=true, timeframe="", timeframe_gaps=false)
20
21  // Inputs
22  atrPeriod = input.int(title='ATR Period', defval=3, minval=1, group="ATR Bands Global Settings", tooltip="This setting is used in the raw ATR value calculation.  Most often this is set at either 14
23
24  atrMultiplierUpper = input.float(title='ATR Upper Band Scale Factor', defval=2.5, step=0.1, minval=0.01, group="ATR Upper Band Settings", tooltip="Scaling factor (aka multiplier) for the ATR to use
25                         "This will usually be between 1 and 3.")
26  srcUpper = input.source(title='ATR Upper Offset Source', defval=close, group="ATR Upper Band Settings", tooltip="This setting determines the offset point for ATR bands.  " +
27                         "For this band, 'high' and 'close' (default) are generally the most appropriate values.")
28
29  atrMultiplierLower = input.float(title='ATR Lower Band Scale Factor', defval=2.5, step=0.1, minval=0.01, group="ATR Lower Band Settings", tooltip="Scaling factor (aka multiplier) for the ATR to use
30                         "This will usually be between 1 and 3.")
31  srcLower = input.source(title='ATR Lower Offset Source', defval=close, group="ATR Lower Band Settings", tooltip="This setting determines the offset point for ATR bands.  " +
32                         "For this band, 'low' and 'close' (default) are generally the most appropriate values.")
33
34  // ATR
35  atr = ta.atr(atrPeriod)
36
37  // Plotting
38  plot(srcUpper + atr * atrMultiplierUpper, title="Upper ATR Band", color=color.rgb(0, 255, 0, 50), linewidth=2)
39  plot(srcLower - atr * atrMultiplierLower, title="Lower ATR Band", color=color.rgb(255, 0, 0, 50), linewidth=2)
40
41
```

Yorumlar

Yararlı veya teşvik edici bir yorum bırakın. Piyasalara birlikte hakim olalım

Alkışlarla yorum   Yorum Paylaş

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Great ATR!

▲ Cevap Gönder

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