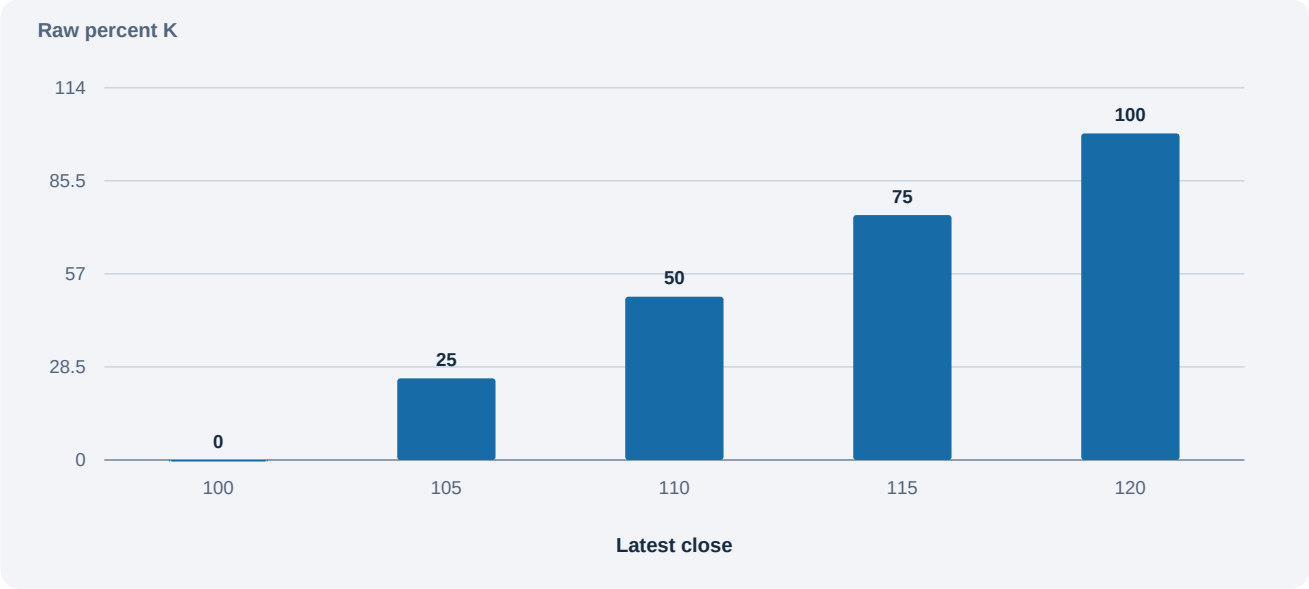
Close position in a lookback range

Price and indicators | Original synthetic example | Edition 2026-11-26

The raw stochastic percent-K value places the latest close inside the highest-high to lowest-low range of a chosen lookback. Smoothing choices create additional indicator variants.

FORMULA Percent K = 100 x (close - lowest low) / (highest high - lowest low)

SCENARIO 01: Lookback low 100; high 120; unsmoothed %K



WORKED EXAMPLE

A close at 115 is 75% of the way through the full lookback range; %K is 75.

COMMON MISTAKE

Using the current candle range instead of the full lookback range changes the intended measure.

BEFORE YOU USE THE CALCULATION

1. Define the lookback.
2. Validate the range denominator.
3. State whether the displayed value is smoothed.

COMPARE TWO MORE INPUT SETS

Scenario 05: Lookback low 140; high 164; unsmoothed %K. A close at 158 is 75% of the way through the full lookback range; %K is 75.

Scenario 10: Lookback low 190; high 219; unsmoothed %K. A close at 211.75 is 75% of the way through the full lookback range; %K is 75.

Synthetic values are not historical market data. Educational material; trading can result in substantial losses.