

### Quick Glance

#### Real-time Charts

- 1 minute to 1 month
- Line, Bar or Candlesticks

#### Interactive Charts

- Choose Bar, Line or Candlestick
- Time period  
1 minute to 1 year
- Available intervals  
5 second to 1 day

#### ChartTrader

Create and manage orders all within the chart feature

#### Chart Volatilities - New!

- Historical Volatility
- Option Implied Volatility
- Option Open Interest
- Option Volume

#### Chart Studies

- Moving Averages:
  - Simple
  - Weighted
  - Exponential
- Bollinger Bands
- Envelopes
- Parabolic SAR
- Relative Strength Index
- MACD
- ADX/DMI
- Stochastic Oscillator
- On Balance Volume
- Rate of Change
- Momentum
- Average True Range
- Ultimate Oscillator
- Williams Oscillator

For specific instructions on using Technical Analytics see our [Users Guide](#).

IB Technical Analytics consists of real-time charts and scanners so you can view and filter data to react quickly to market activity. Real-time charts display up to a year of daily market data with 15 technical studies. TWS Market Scanners evaluate real-time market activity for contracts matching your filter criteria. Both the charts and scanners uniquely include options analytic indicators that help you identify trading opportunities in the stock and options markets.



Display a real-time line, bar or candlestick chart for any contract on your trading page, including currencies. Use the chart to initiate orders based on trends or patterns you observe, even chart volatilities

#### Real-time charts

Line, bar or candlestick real-time charts for any contract on your trading page. Set time parameters, draw trendlines, view time and sales, and even submit orders -- all from the TWS real-time Charts feature.

#### Chart Trader

Create orders directly on an intraday chart using the Chart Trader panel. Order management tabs located under the Quote Panel allow you to transmit or modify orders, log activity, view executions and review changes to the portfolio.

#### Chart Volatility - New!

New in TWS is the ability to chart volatilities - select from Historical Volatility, Option Implied Volatility, Option Open Interest or Option Volume.

#### Chart Studies

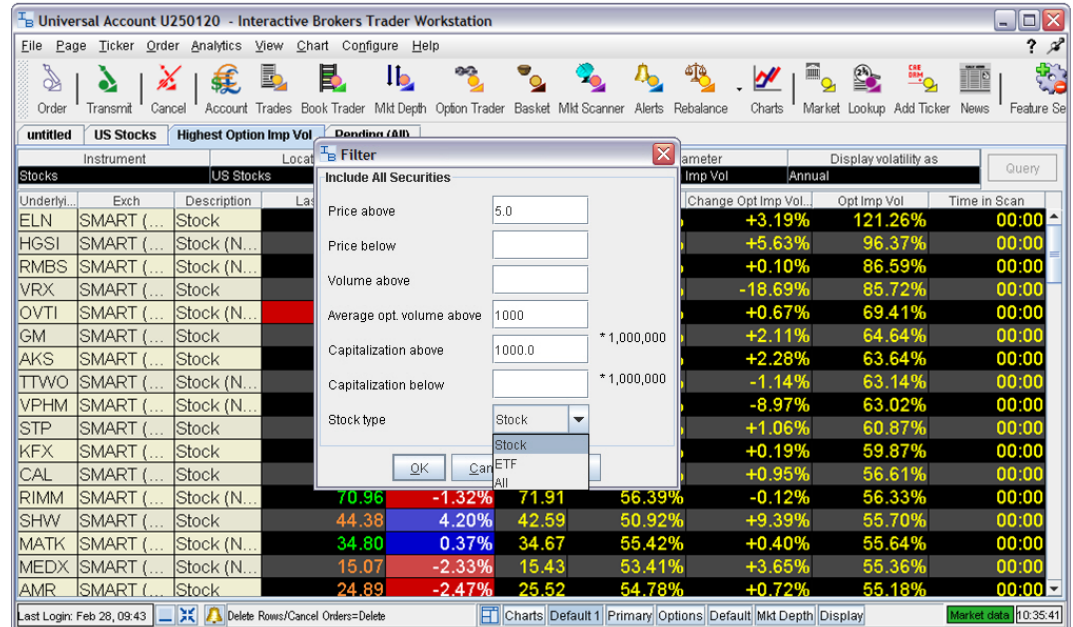
Look for peaks, bottoms, trends, patterns and other factors affecting a stock's price movement by adding studies to your chart. Choose from simple, weighted or exponential moving averages, Bollinger bands, Envelopes, Parabolic SAR, Relative Strength Index, MACD, ADX/DMI, Stochastic Oscillator, On Balance Volume, Rate of Change, Momentum, Average True Range, Ultimate Oscillator and the Williams Oscillator.

## Quick Glance

### Market Scanners

- Top % Gainers
- Losers % Gainers
- Most Active
- Hot Contracts by Price
- Hot Contracts by Volume
- Top Trade Count
- Top Trade Rate
- Top Price Range
- Hot by Price Range
- Top Volume Rate
- Highest Option Implied Volatility
- Lowest Option Implied Volatility
- Top Option Implied Volatility % Gainers
- Top Option Implied Volatility % Losers
- High Option Implied Volatility Over Historical
- Low Option Implied Volatility Over Historical
- Most Active by Option Volume
- High Option Volume Put/Call Ratio
- Low Option Volume Put/Call Ratio
- Hot by Option Volume
- Market Statistics

### Volatility Scanners, an industry first!



The screenshot shows the 'Universal Account U250120 - Interactive Brokers Trader Workstation' interface. A 'Filter' dialog box is open, allowing users to set criteria for scanning securities. The background table displays market data for various US stocks, including columns for 'Change Opt Imp Vol.', 'Opt Imp Vol.', and 'Time in Scan'.

Instrument	Exch	Description	Local	Change Opt Imp Vol.	Opt Imp Vol.	Time in Scan
ELN	SMART	Stock		+3.19%	121.26%	00:00
HGSI	SMART	Stock (N...		+5.63%	96.37%	00:00
RMBS	SMART	Stock (N...		+0.10%	86.59%	00:00
VRX	SMART	Stock		-18.69%	85.72%	00:00
OVTI	SMART	Stock (N...		+0.67%	69.41%	00:00
GM	SMART	Stock		+2.11%	64.64%	00:00
AKS	SMART	Stock		+2.28%	63.64%	00:00
TTWO	SMART	Stock (N...		-1.14%	63.14%	00:00
VPHM	SMART	Stock (N...		-8.97%	63.02%	00:00
STP	SMART	Stock		+1.06%	60.87%	00:00
KFX	SMART	Stock		+0.19%	59.87%	00:00
CAL	SMART	Stock		+0.95%	56.61%	00:00
RIMM	SMART	Stock (N...		-0.12%	56.33%	00:00
SHW	SMART	Stock		+9.39%	55.70%	00:00
MATK	SMART	Stock (N...		+0.40%	55.64%	00:00
MEDX	SMART	Stock (N...		+3.65%	55.36%	00:00
AMR	SMART	Stock		+0.72%	55.18%	00:00

### Market Scanners

Select market scanners with filters you set to create a customized page with ranked current data for stocks, bonds, futures, and ETFs to match your trading strategies.

Choose from Top % Gainers/Losers, Most Actives, and Market Statistics including Advancing and Declining issues, Up/Down volumes and many more. Filter by price range, current trade volume, and market cap to locate trade opportunities that fit your trading style.

### Volatility Scanners

Option market tables with statistics for the top 50 issues regarding implied volatility, volatility gainers, option volumes, implied/historical volatilities, put/call ratios and call/put ratios.

### Tick and Trin Indicators

View Tick and Trin Indicators for stock volumes trading on the uptick or downtick or the current advances-to-declines.

Any stock or option symbols displayed are for illustrative purposes only and are not intended to portray a recommendation.

Options involve risk and are not suitable for all investors. For information on the uses and risks of options, you can obtain a copy of the Options Clearing Corporation risk disclosure document titled Characteristics and Risks of Standardized Options from Mr. Salvatore Recco, Interactive Brokers LLC, 1 Pickwick Plaza, Greenwich, Connecticut 06830 or by calling (203) 618-5800.