

# PSI-Chart

## A Development Tool for Creating Scientific & Engineering Charts

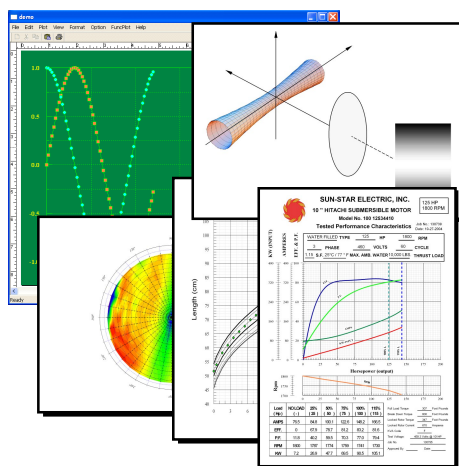
**PSI-Chart** is a COM component for creating and designing scientific and engineering chart applications with Visual Basic, Visual C++, C#, J#, or other language compilers which support the COM model. With PSI-Chart, you can develop your own professional graphics application in the shortest time possible. PSI-Chart supports commonly used 2D and 3D plot types and various coordinate systems. The built-in graphics editor allows you to control your plots in great detail to fit your publishers' requirements. Finished charts can be printed directly to your printer or exported to standard graphics formats. PSI-Chart is a powerful and easy-to-use development tool. It includes tutorial lessons and sample projects for you to get a quick start.

### Plot types

- 2D curve: scatter, line, drop-line, and smooth curve
- user-defined 2D curve: different symbol color, style, size, and text label for each data point
- polar plot: clockwise, counter clockwise, and symmetric labels
- area chart: open or closed area charts
- vector plot: 2D and 3D
- step curve
- ternary (triangle) plot with user defined symbol size, color, and style for each data point
- Smith chart: reflection and impedance
- whisker and boxplot: skeleton boxplot, fenced boxplot, and percentile boxplot
- high-low chart
- stock bar chart
- histogram
- error bar chart with error bars in any four directions
- 2D pie chart
- 2D bar chart with error bars
- grouped bar chart
- stacked bar chart
- quality control chart: X Chart (R), X Chart (s), Moving Range, and Moving Average, R-Chart, S-Chart, X Bar Chart, and S-sq Chart, P-Chart, NP-Chart, C Chart, U-Sq Chart
- 3D curve: scatter, line, drop line, and projection
- 3D bar and 3D histograms
- 3D surface in Cartesian, spherical, and cylindrical systems
- contour plot: line or filled contour, automatic label contour levels
- multiple surfaces and curves
- function plot: 2D/3D curves and surfaces

### Real-time data display

- real-time data display for multiple channels of data



### Axis types and labels

- linear, reciprocal, log and semi-log, ln, log(log), logit, 10 base, probability, probit, percent, currency, day, month, date, date-time, and text
- axis breaking
- optional arrowhead and major/minor tick mark
- automatic or user-defined axis ranges and increments
- reverse axis scale, flip axis
- user-designed background patterns for axes frame
- multiple axes with independent scales
- user-controllable grid-line style, size, and color
- automatic or manual labeling
- any angle rotation of axis labels

### Annotations

- easy-to-use legend editor
- text tool for annotation: text sizing and rotation
- creation of equations including symbols, superscripts, and subscripts
- alignment of text and graphics objects

### Built-in graphics editor

- full-page WYSIWYG graphics editing mode with changeable mouse cursor
- optional on-screen rulers in either metric or English units
- optional page guidelines
- editing tools: copy, cut, paste, undo; group, ungroup; zoom, and unzoom
- drawing toolbox: commonly used shapes, and text
- 28 accurate symbols
- user-controllable line size, style, and color
- data inspection: verification of data point along a curve
- moving, resizing, and rotation
- multiple graphs in one page
- user-designed background patterns for slide presentations
- exportation to most popular graphics formats: Postscript, EPS, WMF, EMF, JPG, TIFF, GIF, BMP, and PNG

### System Requirements

PC running Microsoft Windows 95, 98, ME, NT, 2000, XP, and Vista.

### Compiler Requirements

Visual Basic, Visual C++, C#, J#, or other compilers support COM model.

### Technical Support

Unlimited free technical support to all registered customers

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