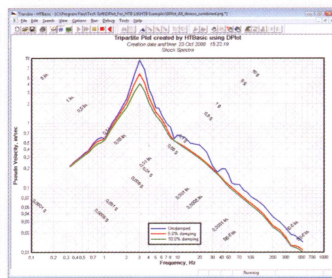
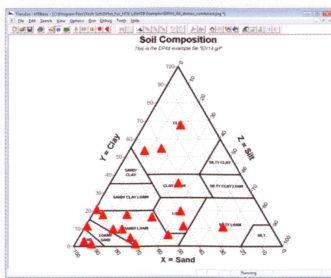
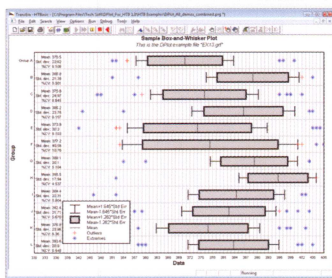
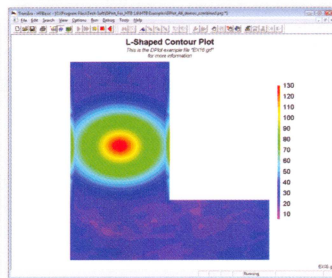
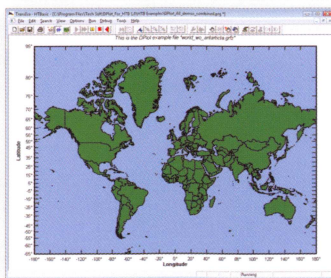
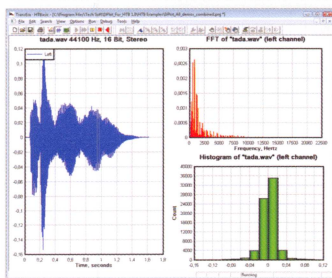
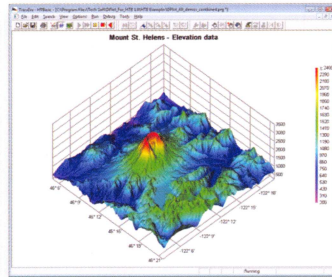
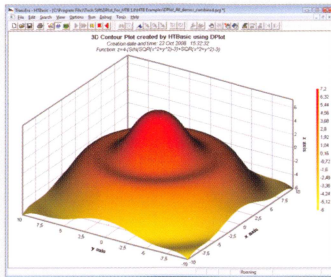
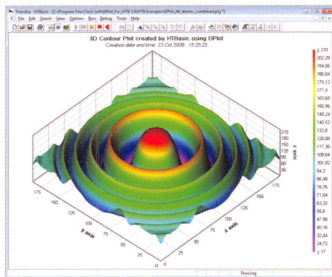
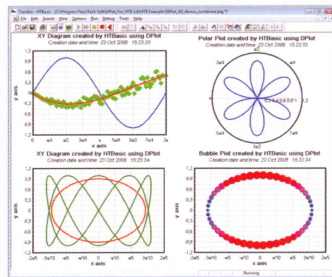
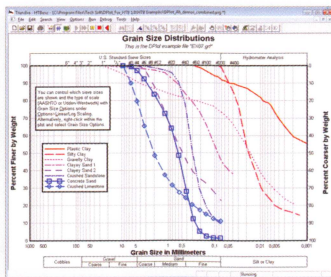
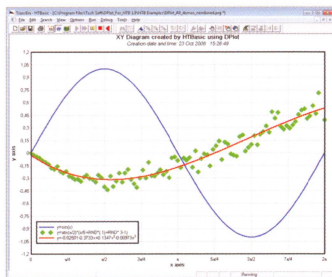


GRAPH-XT

Professional Graphics Extension for HTBasic



GRAPH-XT Graphics Extension

GRAPH-XT for HTBasic creates stunning, high quality 2D and 3D diagrams from your measurement data with a few lines of code.

Don't mess with VIEWPORTs, WINDOWs or CLIPPING values anymore, simply collect your data and **GRAPH-XT** will create presentation-quality plots with automatic scaling. While geared towards scientists, engineers, and other technical fields, **GRAPH-XT**'s straightforward interface will appeal to anybody interested in creating X-Y plots and/or contour plots of 3D data.

Features

- Handles up to 32 diagrams at once, up to 100 curves per diagram
- Easily get perfectly formatted diagrams immediately from your measurement data
- Diagrams can be placed everywhere on the screen with any size
- Displays multiple diagrams at once; real-time resizing of diagrams with just one function call
- Diagrams can be mixed with HTBasic graphics commands
- Diagrams can be saved as bmp file for later use (e.g. import the file into your Office software)
- Supports HTBasic's DUMP GRAPHICS command as well as printing directly through DPlot
- Includes extensive online help and pdf manual (90+ pages) as well as many HTBasic examples
- Multiple scaling types, including linear, logarithmic, and probability scales on the X and/or Y axes
- Provides several special purpose scale types, including grain size distribution plots, tripartite grids (shock spectra), polar charts, triangle plots, N1.85 hydraulic scales, and Mercator projection
- Multiple independent or dependent scales; Built-in function generator

Diagram Types

- X-Y diagrams, Bar charts, Box-and-whisker plots and dot graphs
- Contour plots of 3D data, shown as contour lines in a plan view of the XY plane or as shaded bands in a 3D projection, optionally with light source shading. Accepted are randomly-spaced 3D points and points on a rectangular grid. For rectangular grids, a waterfall plot and a simple wireframe mesh are possible
- Bubble plots with symbol sizes proportional to a third dimension
- 3D scatter plots, with up to 100 data sets and colors based on Z value or data set
- Error bars with magnitudes set to a constant value, a percentage of the amplitudes, or independently
- Vector plots with vector lengths and colors proportional to a 3rd dimension and angles from a 4th dimension
- Fill between 2 curves, fill the area formed by closing a curve, or fill from a curve to a specified Y value. Choose from seven pre-defined fill patterns or create a custom pattern. Fill regions are also useful for solving inequalities and systems of inequalities

Other Information

- Choose from 40 symbol styles and/or 7 line styles for your XY plots. Full control over symbol size, line weight, and color. In addition to the 40 built-in graphic symbols you can use any character from any of the Wingdings fonts included with Windows
- Choose from a variety of number formats for each axis. Date and time formats are customizable
- Curve fitting allows you to fit a polynomial to your data
- Data manipulation functions include integration, differentiation, Fast Fourier Transform, filtering, data smoothing, and many other simpler editing functions
- Interpolate between points, scan values of curves graphically, and report peak values
- Include subscripts, superscripts, and characters from the Symbol font (Greek characters, trademark symbols, etc.) in the title lines and axis labels of your plots
- Plot very large data sets. For XY plots, the total number of data points is limited to about 268 million

GRAPH-XT Updates

GRAPH-XT updates are available from the official homepage. Please note that updates are not necessarily free of charge.

Official **GRAPH-XT** Homepage:
<http://www.TechSoft.de/graphxt>

GRAPH-XT Support

Support is provided through your local **GRAPH-XT** distributor / dealer.

Please send bug reports, comments, and suggestions (in English language please) to:
GRAPHXT@TechSoft.de

GRAPH-XT Distribution

GRAPH-XT is available from several distributors and dealers worldwide.

Product code: **H-TP0010**

U.S.A.: **TransEra** (www.HTBasic.com)
Worldwide: **TechSoft** (www.TechSoft.de)