



ZView® Software

The World's Most Popular
Impedance Analysis Software

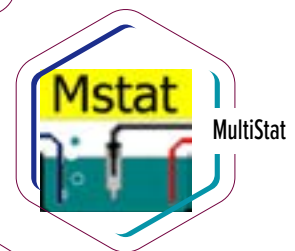
ZView® software offers best-in-class equivalent circuit modeling.

Fit common circuits instantly, generate publication-quality graphs quickly. ZView® integrates easily with Scribner measurement softwares, and supports testing hardware from Solartron, PAR, and others.

Increase your data processing efficiency quickly and easily with ZView®

ZView® features

- Powerful equivalent circuit modeling
- Instant fitting with common circuits
- Data processing & graphing
- Batch file processing
- Kramers-Kronig (K-K) testing
- Modify data for area-normalization, component subtraction or addition
- Generate publication-quality graphs on a variety of axes
- Analyze and fit data using built-in or user-defined Equivalent Circuits Models
 - 9 circuit element types
 - 20 distributed element types
 - 30 parameters per model
 - > 2,000 data points per spectrum



www.scribner.com

Data Examples: ZView Software

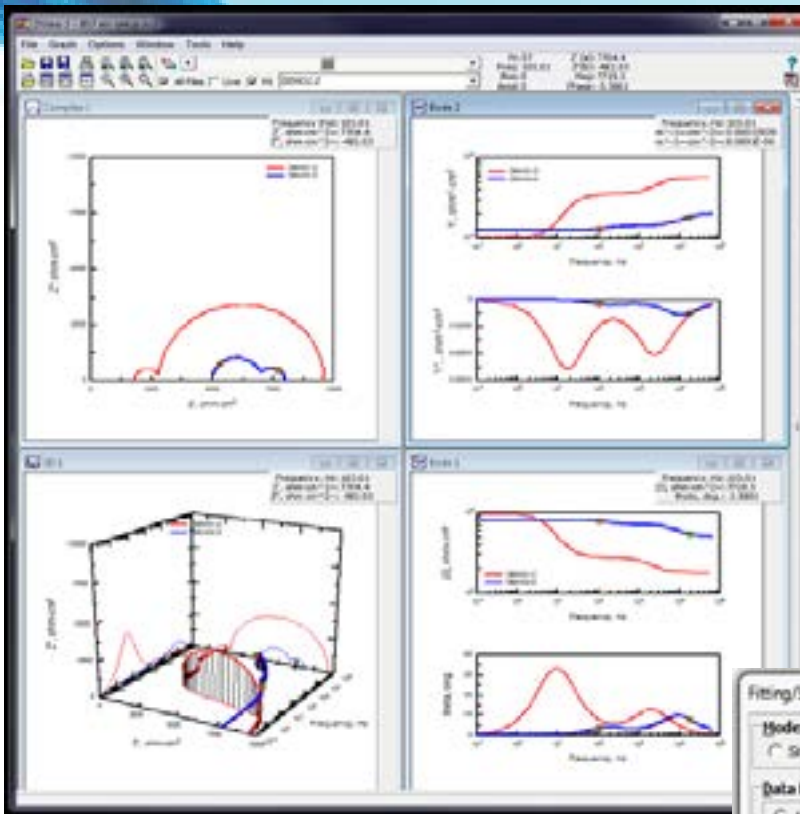
ZView® Supports:

Scribner: ZPlot, Z60, ZPlot-Lab, MultiStat, FuelCell, FlowCell, MMA910 & MMALive, MTS4

Solartron: 1296, SMARt, CellTest, ModulabCSV

PAR: 378, 388, 398, PowerSuite Export, Versastat3, VersaStudio

Other Formats: ACM Instruments, Agilent, AutoLab, BioLogic, Boukamp, CH Instruments, Gamry, Gill AC, HP, Ivium, Maccor, Newtons4th & PSCComm2, NovoControl, OrigaLys, ElectroChem SAS, PalmSens, Radiometer, Zahner, Zurich Instruments, and User-Defined



The screenshot shows the 'Fitting/Simulation Setup' dialog box. It includes several sections: 'Mode' with radio buttons for Simulation, Fitting (selected), Subtraction, Residual, Batch Fitting, and OK; 'Data Range' with radio buttons for All Points, Selected Points, and Frequency Range, along with Minimum and Maximum frequency input fields; 'Optional Parameters' with fields for Maximum Iterations, Optimization Iterations, Type of Fitting (Complex), Type of Data Weighting (Calc-Modulus), GDNE Accuracy, Absolute Temperature, and Batch/Copboard Order; and a checkbox for 'Save DC Bias with fit results'. At the bottom, there are checkboxes for 'Beep when finished' and buttons for 'OK', 'Cancel', and 'Help'.

Equivalent Circuits - Tutor3 Coated Metal.mdl

The diagram shows an equivalent circuit model for a coated metal system. It consists of a series resistor R_s followed by a parallel combination of a capacitor C_{coat} and a series combination of a resistor R_{coat} and another parallel combination of a capacitor C_{dl} and a resistor R_{corr} .

Element	Freedom	Value	Error	Error %
R_s	Free(+)	1802	0.66	0.036626
C_{coat-T}	Free(+)	$9.8167E-8$	$1.0641E-09$	1.084
C_{coat-P}	Free(+)	0.999	0.0012062	0.12074
R_{coat}	Free(+)	1040	1.2782	0.1229
C_{dl-T}	Free(+)	$4.632E-6$	$7.1227E-09$	0.15377
C_{dl-P}	Free(+)	0.99995	0.00037635	0.037637
R_{corr}	Free(+)	6755	2.6287	0.038915