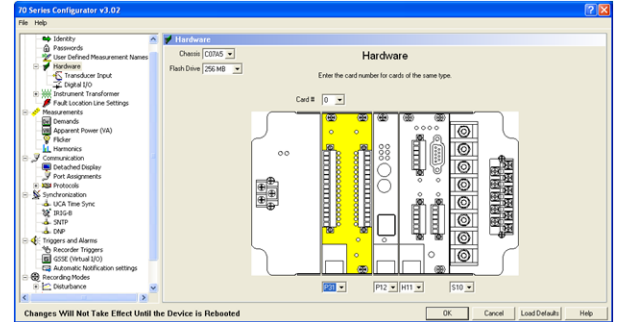


In applications ranging from traditional SCADA monitoring to automation & control and distributed disturbance recording, Bitronics meters and Intelligent Electronic Devices (IEDs) have set the gold standard for quality and dependability in the electric utility substation for decades. Bitronics 70 Series IEDs provide a wide-range of solutions in monitoring and recording and are supported by the following software:

- Bitronics 70 Series Configurator
- BiView
- WaveWin® Bitronics

Bitronics 70 Series Configurator Software

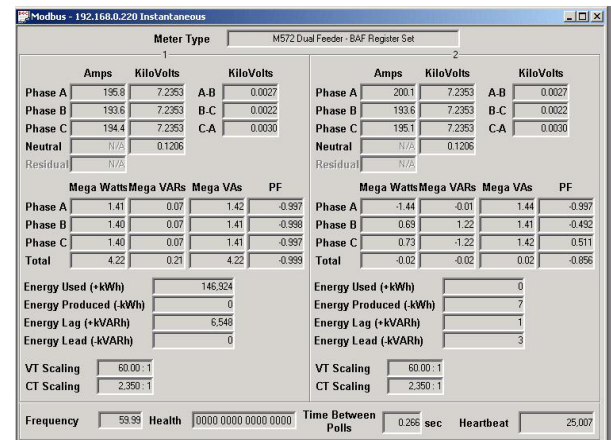
Bitronics 70 Series Configurator is Windows®-based software used for configuring all aspects of the 70 Series IEDs and detached displays. A tree structure on the left hand of the screen allows you to navigate to specific pages for settings. This includes hardware settings, communications settings, instrument ratios, recording and triggering settings, and protocol settings. Configuration settings can be created off line and loaded into the 70 Series later over serial or Ethernet ports, or settings can be directly modified in the unit. The 70 Series Configurator is included for free on all 70 Series orders.



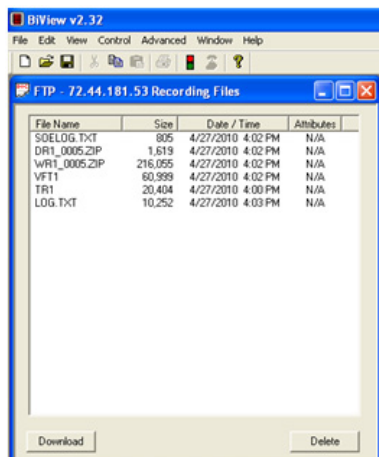
The Hardware tab shows what hardware options are available for each model

BiView Software

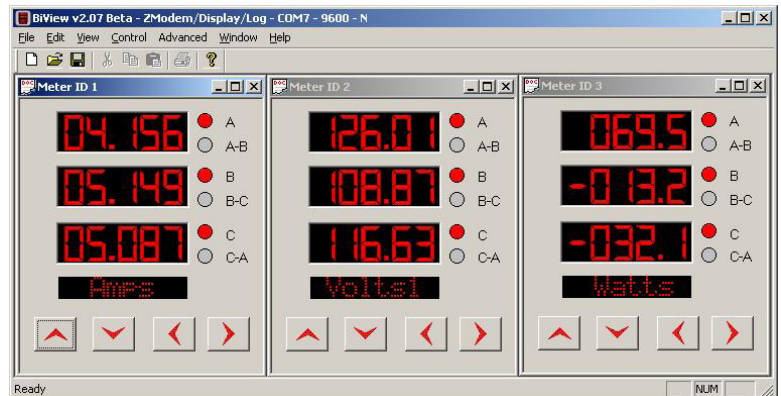
BiView is a Windows® based software program which displays the register contents of 70 Series IEDs when legacy (from MultiComm digital power meters and PowerPlex digital transducers) or fixed register sets are selected. This gives a live data view from the instrument. Virtual displays, synchronizing views, and phasor views are also available. BiView can be used to transfer record files and allows some remote configuration and reset of the devices. It supports Telnet, FTP, Modbus, Modbus Plus, and DNP3 protocols, can access multiple instruments connected to the same port, and is free with the purchase of any 70 Series IED.



BiView instantaneous view of M572 measurement parameters



BiView FTP view showing record files that can be downloaded or deleted

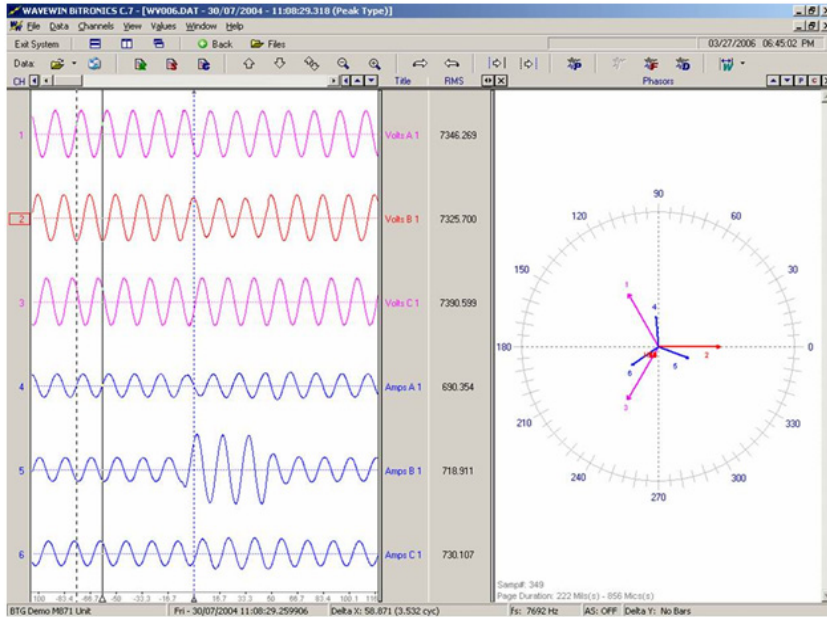


BiView Virtual Display View

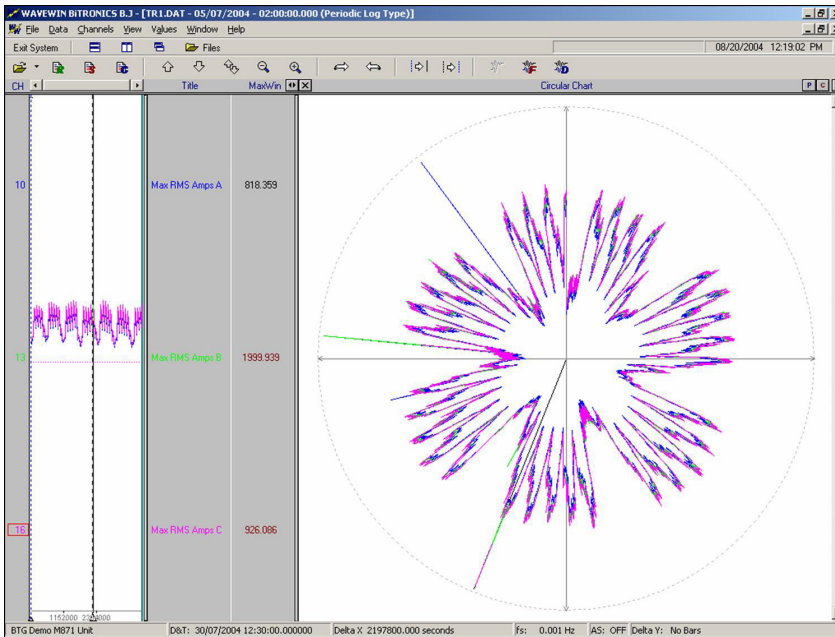


WaveWin Bitronics Software

The WaveWin Bitronics software allows for management, viewing and analysis of all Comtrade files from the 70 Series devices. This includes waveform (fault), disturbance (RMS), and trend (periodic, circular chart). It has provisions for merging or appending common files to create a single view as well as many features and analysis tools. The software permits the conversion of file names to the IEEE long file naming format (C37.232). Computed Software Channels are also provided for advanced analysis. A free, full feature, limited use demo disk is available on request. Discounts for copies of WaveWin Bitronics are available with purchase of multiple 70 Series IEDs.



WaveWin Bitronics display of fault record



WaveWin Bitronics circular chart view of trend data showing current spikes

Contact:

NovaTech, LLC
Bitronics Division
261 Brodhead Road
Bethlehem, PA 18017

T: 610.997.5100
F: 610.997.5450
E: bitronics@novatechweb.com
www.novatechweb.com/bitronics