

Unique Attributes of instruNet

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The following is a list of attributes that tend to be unique in instruNet, in comparison with many of the data acquisition products on the market.

- * Benchtop signal acquisition into a computer via BNC connectors.
- * Includes free strip chart recorder software that handles any number of channels, can spool to disk, and can easily save a text file to Excel.
- * Optional instruNet World PLUS (iW+) software for Windows (not Mac) is a Very reasonably priced yet powerful and easy to use data acquisition software program that enables one to digitize, plot, control, analyze, and save to disk A/D, D/A, and digital I/O data from instruNet hardware. Additionally, it enables one to define their own instrument front panel with buttons, popup menus, edit fields, dynamic text, text editor regions, and waveform graphs. For details, see URL www.instruNet.com/plus
- * Can digitize from multiple boxes, without any time jitter between channels, due to the synchronous instruNet network.
- * Programmable digital filters on all channels (BP, BS, LP, HP).
- * Different sample rates on each channel.
- * Programmable integration time on each channel, ranging from 0 to 1sec.
- * Interfaces with C, Visual Basic, DASyLab, LabView, TestPoint, and HP VEE.
- * \$100 per differential channel, direct-to-sensor data acquisition.
- * Boxes provide Universal Screw Terminals that directly attach to thermistor, thermocouple, RTD, strain gage, load cell, accelerometer, potentiometer, voltage source, current source and resistance source.
- * Boxes can daisy-chain and reside 1 to 1000 feet from the computer.
- * The \$890 instruNet boxes provide 16se/8di analog inputs, 8 analog outputs and 8 digital I/O. The boxes contain an a/d and signal conditioning amplifiers; and a low cost \$590 DSP board that manages digitizing via a synchronous network. The result is a feature rich system at a relatively low cost (we patented this topology).