

# Programming instruNet from Visual BASIC

*Application Note #31, 8/13/2002*

instruNet is compatible with Visual Basic (Studio) .Net version  $\geq 7.0$ , and Visual Basic 4 and 6. The Visual Basic interface files and documentation reside at the following directory after installing version  $\geq 1.4$  of the instruNet software:

```
\ program files \ instruNet \ Programming Interfaces
```

For details, please refer to these files, Chapter 4 in the instruNet User's Manual, and the Programming application notes at [www.instruNet.com](http://www.instruNet.com). instruNet includes several example VB programs, which are described as follows:

## **1. Example #1**

Demonstrates most instruNet related tasks, including:

- Reading an instruNet Channel (e.g. a voltage input)
- Writing to an instruNet Channel (e.g. a voltage output)
- Loading and closing the instruNet Driver
- Showing the instruNet Settings Window (i.e. instruNet World Network Page).
- Saving all instruNet channel settings in one 20KB array, storing this array to disk, and then restoring these settings after loading the array from disk.
- Digitizing several channels from instruNet, much like an oscilloscope.

## **2. VB Scope**

This program digitizes from several channels and displays the data, much like an oscilloscope.

## **3. VB Instrument**

This program digitizes from several channels and displays the time waves, the frequency spectra, and an XY plot of 2 channels.

## **4. Direct To EXCEL**

This program digitizes directly into an EXCEL spreadsheet. For details, please run this program and then press the HELP button to learn how it works.