

# TracerDAQ and TracerDAQ Pro

The new **TracerDAQ** is still included with MCC hardware. The more powerful **TracerDAQ Pro** offers additional active resources and controls. Both versions are Windows Vista™ compatible for PCI and USB!

**TracerDAQ** and **TracerDAQ Pro** are out-of-the-box software applications used to graphically display and store input data, and generate output signals, within minutes of installing Measurement Computing data acquisition hardware, and without the need for writing code. Each consists of four virtual instrument applications—a Strip Chart, an Oscilloscope, a Function Generator, and a Rate Generator—which allow the user to customize appearance, store configurations for future use, and change settings—with the use of interactive *hotspots*—while the application is running. TracerDAQ Pro is a far more powerful package, offering more active channels, more samples per channel, and a selection of options and enhancements designed to address a myriad of test and measurement applications.

The table below compares the features and specifications of TracerDAQ with TracerDAQ Pro.

## Compare TracerDAQ to TracerDAQ Pro

Strip Chart		
Features	TracerDAQ	TracerDAQ Pro
Number of Channels	8	32
Number of Graphs (individually scalable)	2	8
Maximum Sampling Rate	Maximum Rate of Board	Maximum Rate of Board
Maximum Samples per Channel	32K	1M
Input Types	A/D Temp Digital In Event CTR	A/D Temp Digital In Event CTR
Print Graph	✓	✓
Save to File for Export	✓	✓
Data Download from Loggers	✓	✓
Saved Configurations	✓	✓
Annotation		✓
Alarms		✓
Linear Scaling		✓

Software Triggering		✓
Hardware Triggering		✓
Time-of-Day Triggering		✓

Oscilloscope		
Features	TracerDAQ	TracerDAQ Pro
Number of Channels	2	4
Maximum Rate	Maximum Rate of Board	Maximum Rate of Board
Auto Trigger	✓	✓
Save to File for Export	✓	✓
Horizontal Markers	✓	✓
Vertical Markers	✓	✓
Channel Triggering (Level and Position)	✓	✓
Saved Configurations	✓	✓
Trace Reference		✓
Measurement Display Window		✓
<b>Math Channel</b> CH0 + CH1            CH1 - CH0 CH0 - CH1            CH2 + CH3 CH3 - CH2            CH2 - CH3 CH0 Invert            CH1 Invert CH2 Invert            CH3 Invert		✓

Function Generator		
Features	TracerDAQ	TracerDAQ Pro
Number of channels	1	16
Channel Types Supported	Analog Out	Analog Out
Maximum Rate	Maximum Rate of Board	Maximum Rate of Board
Waveform Types	Sine	Custom (from file) Sine Square Triangle Constant Sawtooth
Saved Configurations	✓	✓

<b>Waveform Preview</b>	✓	✓
<b>Amplitude</b>	✓	✓
<b>Frequency</b>	✓	✓
<b>DC Offset</b>	✓	✓
<b>Duty Cycle</b>		✓
<b>Phase</b>		✓
<b>Sweep</b>		✓
<b>Gate Ratio</b>		✓
<b>Waveform from File</b>		✓
<b>Rate Generator</b>		
<b>Features</b>	<b>TracerDAQ</b>	<b>TracerDAQ Pro</b>
<b>Number of channels</b>	1	20
<b>Channel Types Supported</b>	CTR (9513) 2500 series (Timer outputs)	CTR (9513) 2500 series (Timer outputs)
<b>Pattern Types</b>	Square Wave	Square Wave