TracerDAQ vs. TracerDAQ Pro

Feature Comparison

Measurement Computing offers two versions of TracerDAQ – TracerDAQ and TracerDAQ Pro.

- With TracerDAQ, you can run one instance of each virtual application at a time.
- With TracerDAQ Pro, you can run multiple instances of each application at a time, as long as the applications use different DAQ hardware resources.

The following tables compare the features provided by TracerDAQ and TracerDAQ Pro for each virtual application.

Strip Chart

Feature	TracerDAQ	TracerDAQ Pro
Channel types supported	• Analog input • Temperature input • Digital input • Event counter	• Analog input • Temperature input • Digital input • Event counter
Number of channels	Up to 8	Up to 48
Number of lanes (individually scaleable)	2	8
Maximum sample rate	Maximum continuous acquisition rate of the device	Maximum continuous acquisition rate of the device
Maximum samples per channel	32,000	1 million
Print/preview strip chart	Yes	Yes
Capture a strip chart image to the clipboard	No	Yes
Save as: • history file (.sch) • text file (.txt, .csv)	Yes	Yes
Open: • history file (.sch) • binary file (.bin) • text file (.txt, .csv)	Yes	Yes
Save configurations	Yes	Yes
Alarm conditions	No	Yes
Strip Chart Measurements window	No	Yes
Enter annotations	No	Yes
Software triggering	No	Yes
Hardware triggering	No	Yes
Time-of-day triggering	No	Yes
Linear scaling	No	Yes

Oscilloscope

Feature	TracerDAQ	TracerDAQ Pro
Channel type supported	Analog input	Analog input
Number of channels	Up to 2	Up to 4
Maximum sample rate	Maximum continuous acquisition rate of the device	Maximum continuous acquisition rate of the device
Print/preview oscilloscope	Yes	Yes
Capture an oscilloscope image to the clipboard	No	Yes
Auto trigger	Yes	Yes
Channel triggering (level and position)	Yes	Yes
Horizontal markers	Yes	Yes
Vertical markers	Yes	Yes
Save configurations	Yes	Yes
Load configurations	Yes	Yes
Save as: • history file (.osh) • text file (.txt, .csv)	Yes	Yes
Open a history file (.osh)	Yes	Yes
Oscilloscope Measurements window	No	Yes
Reference channel	No	Yes
Math channel	No	Yes

TracerDAQ vs. TracerDAQ Pro

Feature Comparison

Function Generator

Feature	TracerDAQ	TracerDAQ Pro
Channel type supported	Analog output	Analog output
Number of channels	1	Up to 16
Maximum sample rate[1]	Based on the maximum continuous rate of the device	Based on the maximum continuous rate of the device
Waveform types	Sine	• Sine • Square • Triangle • Flat • Pulse • Ramp • Random • Generated from data in a .csv or .txt file
Waveform preview	Yes	Yes
Amplitude	Yes	Yes
Frequency	Yes	Yes
DC offset	Yes	Yes
Duty cycle	No	Yes
Phase	No	Yes
Gate ratio	No	Yes
Rate multiplier	No	Yes
Sweep (linear and exponential)	No	Yes
Open .csv or .txt file (arbitrary waveform)	No	Yes
Save configurations	Yes	Yes
Load configurations	Yes	Yes

Rate Generator

Feature	TracerDAQ	TracerDAQ Pro
Channel type supported	Counter output	Counter output
Counter types supported	Counter/timer outputs[1]	Counter/timer outputs[1]
Number of channels	1	Up to 20
Pattern types supported	Continuous pulse	Continuous pulse
Save configurations	Yes	Yes
Load configurations	Yes	Yes

[2] Supported by the following MCC devices:

- USB-1208HS Series
- USB-1608G Series
- USB-1616HS Series
- USB-1808 Series
- USB-2500 Series
- USB-2600 Series
- USB-CTR Series
- PCI-2500 Series

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