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USB-6289, USB-6289 Mass Term
Multifunction DAQ

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$ 2,499

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General

Form Factor	USB
OS Support	Windows
Measurement Type	Quadrature encoder, Voltage
DAQ Product Family	M Series
LabVIEW RT Support	No

Analog Input

Number of Channels	32 SE/16 DI
Sample Rate	625 kS/s
Resolution	18 bits
Simultaneous Sampling	No
Maximum Voltage Range	-10..10 V
Range Accuracy	980 µV
Range Sensitivity	24 µV
Minimum Voltage Range	-100..100 mV
Range Accuracy	28 µV
Range Sensitivity	0.8 µV

USB-6289, USB-6289 Mass Term
Multifunction DAQ

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Number of Ranges	7
On-Board Memory	4095 samples
Signal Conditioning	Low-pass filtering
Analog Output	
Number of Channels	4
Update Rate	2.86 MS/s
Resolution	16 bits
Maximum Voltage Range	-10..10 V
Range Accuracy	1540 µV
Minimum Voltage Range	-1..1 V
Range Accuracy	259 µV
Current Drive (Channel/Total)	5 mA/10 mA
Digital I/O	
Number of Channels	48 DIO
Timing	Hardware, Software
Maximum Clock Rate	1 MHz
Logic Levels	TTL
Maximum Input Range	0..5 V
Maximum Output Range	0..5 V
Input Current Flow	Sinking, Sourcing
Programmable Input Filters	Yes
Output Current Flow	Sinking, Sourcing
Current Drive (Channel/Total)	24 mA/448 mA
Watchdog Timer	No
Supports Programmable Power-Up States?	Yes
Supports Handshaking I/O?	No

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Supports Pattern I/O?	Yes
Counter/Timers	
Number of Counter/Timers	2
Resolution	32 bits
Maximum Source Frequency	80 MHz
Logic Levels	TTL
Maximum Range	0..5 V
Timebase Stability	50 ppm
GPS Synchronization	No
Pulse Generation	Yes
Buffered Operations	Yes
Debouncing/Glitch Removal	Yes
Timing/Triggering/Synchronization	
Synchronization Bus (RTSI)	No
Triggering	Analog, Digital
Physical Specifications	
Length	18.8 cm, 26.67 cm
Width	17.09 cm
Height	4.45 cm
I/O Connector	68-pin male SCSI-II type
Data Sheet	Data Sheet

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