

Acute TravelData Data Generator

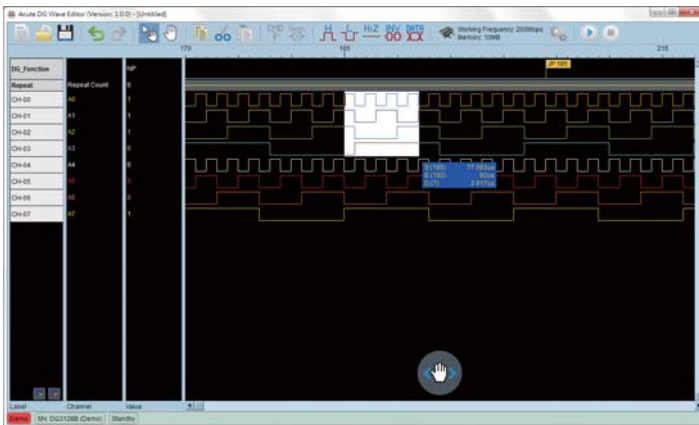


123 x 76 x 21 mm³

- PC-based
- USB 3.0 Interface
- Channels : 16 (Max. / Data Output), 3 (Event Input)
- Data rate : 200Mbps (Max.)
- Memory: 256Mb/ch (Max.)
- Clock Range : 1Hz ~ 200MHz (6 digits)
- Data output : 1.2Vpp ~ 4.5Vpp (0.1V resolution) and Hi-Z
- Default pattern : RS232, Sync / Async-Counter, I²C, I²S, SPI, CAN, USB1.1, ...
- User pattern : Direct draw, Acute-LA / Text / VHDL / VCD, ...

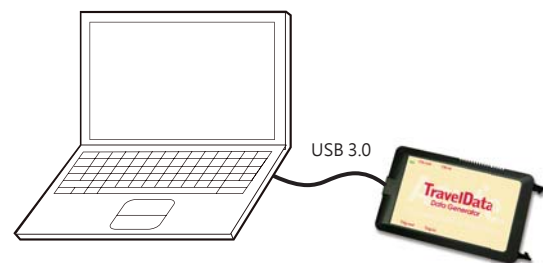
Model	Data Channel	Event Channel	Pattern Depth
TD3008E	8	3	512Kb/ch
TD3116B	16	3	1Mb/ch
TD3216B	16	3	256Mb/ch

Software Window



System Requirements

- USB 3.0 port
- Win 7, Win 8, Win 10
- PC RAM 16GB (recommended) or 8GB at least



TD3000 series

Model		TD3008E	TD3116B	TD3216B	
Power	Power Source	USB 3.0			
	Static Power Dissipation	2.5W			
	Max Power Dissipation	4.5W			
Hardware Interface		USB 3.0			
Number of Output Channels		8	16		
Memory	Total Memory Size	4Mb	16Mb	4Gb	
	Pattern Depth	512Kb/ch	1Mb/ch	256Mb/ch	
Data Rate		100Mbps (Max.)	200Mbps (Max.)		
Operation Clock System	Internal	Range	1Hz ~ 100MHz		
		Resolution	6 digits		
	External	Clock Range	<100MHz	<200MHz	
		Input Channels	1 Channel (TTL3.3V)		
Data Flow Control		Loop, Jump, Hold, Wait for Event			
Period Jitter	Clock	< 50ps			
	Channel	< 50ps			
Temperature		5°C~45°C (41°F~113°F) / -10°C~65°C (14°F~149°F)			
Software Features	Languages	English / Traditional Chinese / Simplified Chinese			
	Save & Load Waveform	Yes			
	Regular Waveform Generator	Synchronous / Asynchronous Counter, Printer (SPP), CAN, I ² C, I ² S, LIN, SPI, UART, USB1.1, ...			
	Waveform Editing Interface	Waveform Drawing, Script File			
Dimension	L x W x H (mm ³)	123 x 76 x 21			
Weight		680g			
Lead Cable	(Data / CLK-IN / CLK-OUT / Event / GND / N.C.)	A 40-pin lead cable (16 / 1 / 1 / 3 / 18 / 1)			
Grippers		20	40		
Data Output	Channels	8 with OE	16 with OE		
	Frequency	100Mbps (Max.)	200Mbps (Max.)		
	Group	1 (ch0~7 & CKO)	2 (ch0~7 & CKO, ch8~15)		
	VoH	1.2V~4.5V (0.1V resolution) per Group			
	VoL	0V for all channels			
	Minimum Pulse Width	5 ns			
	Impedance	TTL series with 20 Ohms			
	Fan Out	20mA/ch @ 50 Mbps			
	Output Enable	All channels			
	Event Input	Internal	Hot Key		
External		Channels	3		
		Mode	Logic AND / Logic OR		
		Threshold	-4V ~ +6V		
		Frequency	200MHz (Max.)		
		Operation	-10V~10V		
		Input Voltage	±30V DC, 12Vpp AC (Non-destructive)		
		Minimum Pulse Width	5 ns		
		Sensitivity	1.5V		
Impedance	200KΩ 7pF				

Packing List :



Device



USB 3.0 cable



Aux. In/Out Cable



18.5cm Lead Cable



Grippers