

Acute

TravelData Data Generator

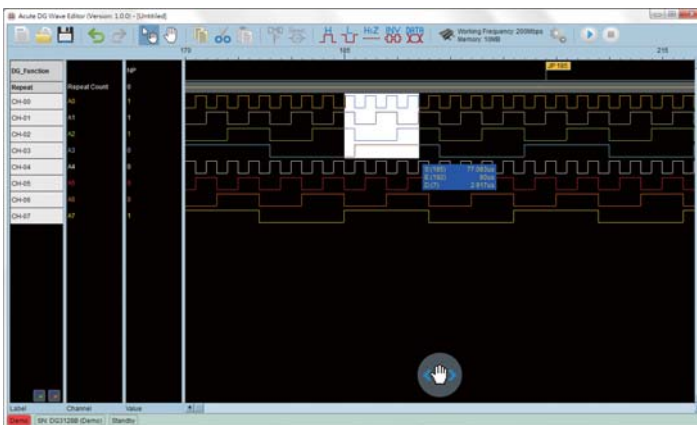


123 x 76 x 21 mm³

- PC-based
- USB 3.0 Interface
- Channels : 16 (Max. / Data Output), 3 (Event Input)
- Data rate : 200Mbps @Ch (Max.)
- Memory: 256Mb/ch (Max.)
- Clock Range : 1Hz ~ 200MHz (6 digits)
- Data output : 0.9Vpp ~ 4.5Vpp (0.1V resolution) and Hi-Z
- Default pattern : I²C, MIPI I3C, MIPI RFFE, PMBus, PWM, SPI, Sync / Async-Counter, ...
- User pattern : Direct draw, Acute-LA / VCD, CSV (MIPI I3C, MIPI RFFE), ...

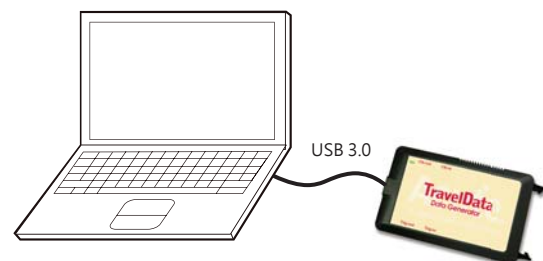
Model	Data Channel	Event Channel	Pattern Depth
TD3008E	8	3	512Kb/ch
TD3116B	16	3	1Mb/ch
TD3216B	16	3	256Mb/ch

Software Window



System Requirements

- USB 3.0 port
- Win 7, Win 8, Win 10, Win11
- PC RAM 16GB (**recommended**) or 8GB at least



Acute®

PC-based T&M Instruments

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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	Pattern Depth /ch		512Kb	1Mb	256Mb
Data Rate			100Mbps @Ch (Max.)	200Mbps @Ch (Max.)	
Operation Clock System	Internal	Range	1Hz ~ 100MHz	1Hz ~ 200MHz	
		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		<200ps		
	Channel		<200ps		
Temperature	Operating / Storage		5°C~45°C (41°F~113°F) / -10°C~65°C (14°F~149°F)		
Software Features	Languages		English / 繁體中文 / 简体中文		
	Save & Load Waveform		Yes		
	Regular Waveform Generator		Synchronous / Asynchronous Counter, Printer (SPP), I ² C, MIPI I3C, MIPI RFFE, PMBus, PWM, SPI		
	Waveform Editing Interface		Waveform Drawing, Script File - DGV/ VCD/ CSV (MIPI I3C, MIPI RFFE)		
Dimension	L x W x H (mm³)		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			10	20	
Data Output	Channels		8 with OE	16 with OE	
	Data Rate		100Mbps @Ch (Max.)	200Mbps @Ch (Max.)	
	Group		1 (ch0~7 & CKO)	2 (ch0~7 & CKO, ch8~15)	
	VoL		0V		
	VoH min.	0.9Vpp @ <= 15Mbps, 1Vpp @ <= 100Mbps		0.9Vpp @ <= 15Mbps, 1Vpp @ <= 100Mbps, 1.1Vpp @ <= 200Mbps	
		VoH max.		4.5V	
	Minimum Pulse Width		10 ns	5 ns	
	Impedance		CMOS with 20 Ω		
	Fan Out		20mA/ch @ 50 Mbps		
	Output Enable		All channels		
Event / Clock Input	Internal		Hot Key		
	External	Channels	3 Event / 1 Clock		
		Mode	Logic AND / Logic OR		
		Threshold	±5V		
		Frequency	200MHz (Max.)		
		Operation	-10V~10V		
		Non Destructive	±30V DC, 12Vpp AC		
		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