

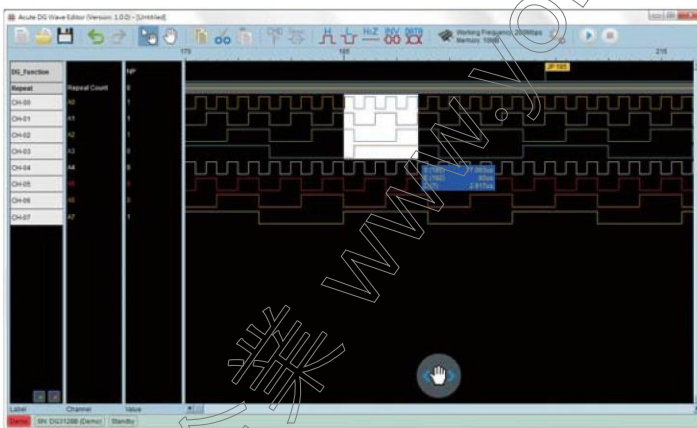
Acute TravelData Data Generator



- 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, ...

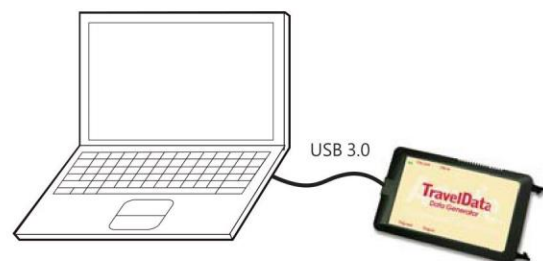
Model	Data Channel	Event Channel	Pattern Depth
TD3008E	8	3	512Kb/ch
TD3116B	16	3	1Mb/ch
TD3216B	16	3	256Mb/ch

Software Window



System Requirements

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



Acute
PC-based T&M Instruments

宥億企業股份有限公司

YO IE ENTERPRISE CORP., LTD

Tel: +886-2-7746-3368
Fax: +886-2-2999-1178

E-mail: sales@yoie.com.tw
Web: www.yoie.com.tw

New Taipei City 241, Taiwan

地址: 241 新北市三重區重新路五段 609 巷 16 號 8 樓之 10

Add: 8F.-10, No.16, Ln. 609, Sec. 5, Chongxin Rd., San-chong Dist.,



免責聲明 資料僅供參考，若有與原廠不合之處，請以原廠規格為準，且不供任何證明文件之用

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	
	Pattern Depth		512Kb/ch	1Mb/ch	4Gb 256Mb/ch
Data Rate		100Mbps (Max.)	200Mbps (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	< 50ps			
	Channel	< 50ps			
Temperature	Operating / Storage		5°C~45°C (41°F~113°F) / -10°C~65°C (14°F~149°F)		
	Languages		English / Traditional Chinese / Simplified Chinese		
Software Features	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 & CKQ)	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	
Channels		3			
Mode		Logic AND / Logic OR			
Threshold		-4V ~ +6V			
Frequency		200MHz (Max.)			
External		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

2019.01

育億企業股份有限公司

YO IE ENTERPRISE CORP., LTD

Tel: +886-2-7746-3368
Fax: +886-2-2999-1178

E-mail: sales@yoie.com.tw
Web: www.yoie.com.tw

New Taipei City 241, Taiwan

地址: 241 新北市三重區重新路五段 609 巷 16 號 8 樓之 10

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