

DG3000シリーズは、まもなくDG4000シリーズに置き換わります。多くの機能は同じなので、しばらくの間 DG3000のカタログをご参照ください。

# Acute DG3000 Data Generator

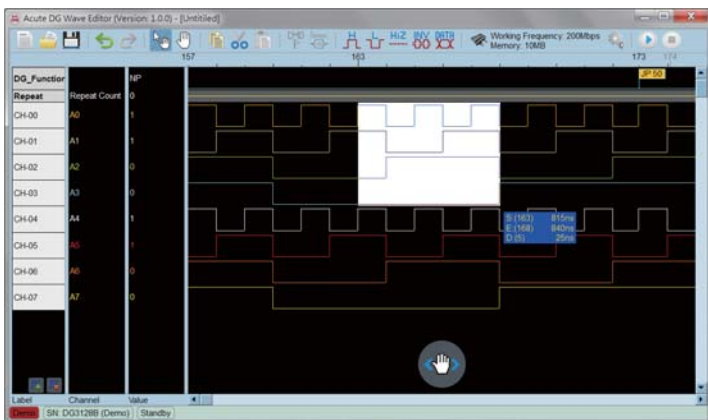


270 x 175 x 55 (mm<sup>3</sup>)

- USB 3.0 interface, 12V power adaptor
- Channels : 112 Max. (Data Output), 16 (Event Input)
- Data rate : 400Mbps @Ch (Max.)
- Memory : 256Mb/ch
- Clock Range : 1Hz ~ 400MHz (6 digits)
- Probe output : 0.8V ~ 5.0V (0.1V resolution) and Hi-Z
- Phase tuning between channels
- Default pattern : I<sup>2</sup>C, MIPI I3C, MIPI RFFE, PMBus, PWM, SPI, Sync / Async-Counter, ...
- User pattern : Direct draw, Acute-LA / VCD, CSV (MIPI I3C, MIPI RFFE), ...

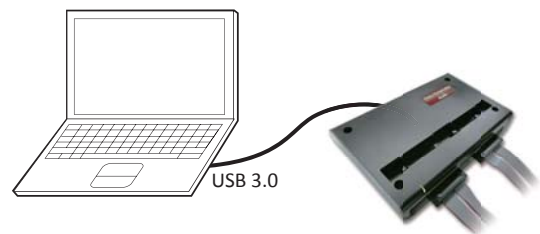
Model	Data Channel	Event Channel	Pattern Depth
DG3064B	48	16	256Mb/ch
DG3096B	80	16	256Mb/ch
DG3128B	112	16	256Mb/ch

## Software Window



## System Requirements

- USB 3.0 port
- Win 7, Win 8, Win 10 (64 bit), Win 11
- PC RAM 16GB (recommended) or 8GB at least



立野電脳（株）はAcute Technologyの国内正規代理店です。  
お問い合わせは sales@dsp-tdi.com へどうぞ

**Acute**  
PC-based T&M Instruments  
Acute Technology Inc.  
Tel: +886-2-2999-3275 E-mail: service@acute.com.tw https://www.acute.com.tw

**立野電脳** EXT営業部  
E-mail : sales@dsp-tdi.com  
〒198-0063 東京都青梅市梅郷5-955 TEL.0428-77-7000

**URL https://www.dsp-tdi.com/**









# DG3000 series

Model	DG3064B		DG3096B	DG3128B	
Power	Power Source		12V Power adapter		
	Static Power Dissipation		9W	12W	
	Max Power Dissipation		24W	30W	18W
Hardware Interface		USB 3.0			
Number of Output Channels		48	80	112	
Memory	Pattern Depth/ch		256Mb		
Data Rate		400Mbps @Ch (Max.)			
Operation Clock System	Internal	Range	1Hz ~ 400MHz		
		Resolution	6 digits		
	External	Clock Range	<200MHz		
Input Channels		1 Channel (TTL3.3V)			
Data Flow Control		Loop, Jump, Hold, Wait for Event			
Period Jitter	Clock	<200ps			
	Channel	<200ps			
Event	Internal	Channel	Hot Key		
		Mode	16		
	External	Mode	Logic AND / Logic OR		
		Threshold	-0.5V ~ 4.5V		
Phase Tuning Delayed	Channels	All			
	Time	> 300Mbps : No, < 300Mbps : 8 Phases from 0 to 1UI			
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, I <sup>2</sup> C, MIPI I3C, MIPI RFFE, PMBus, PWM, SPI		
	Waveform Editing Interface		Waveform Drawing, Script File- DGV/ VCD/ CSV (MIPI I3C, MIPI RFFE)		
Device Dimension	L x W x H (mm <sup>3</sup> )		270 x 175 x 55		
Weight	Device / Accessories		800g / 1850g		
	DG-pod / Event-pod / OE-pod		1 / 1 / 1	2 / 1 / 1	3 / 1 / 1
Probe	Flying lead cable:		4 / 2, 2 / 2, 1		
	DG (DG) / Event (DG, Event) / OE (DG, OE)		80	120	160
	Grippers		80	120	160
DG-Probe/ OE-Probe	Channels		32 for DG / 24 for OE		
	Data Rate		400Mbps @Ch (Max.)		
	VoL		0V		
	VoH min. for DG-Probe		0.8Vpp @ <= 40Mbps, 1.2Vpp @ <= 300Mbps, 1.5Vpp @ <= 400Mbps		
	VoH min. for OE-Probe		1.1Vpp @ <= 50Mbps, 1.3Vpp @ <= 300Mbps, 1.5Vpp @ <= 400Mbps		
	VoH max.		5.0V		
	Minimum Pulse Width		2.5 ns		
	Impedance		CMOS with 20 Ω		
	Fan Out		20mA/ch		
	Output Enable		2 Group O.E. (16ch/O.E. *2=32ch)		
			1 Group O.E. + 8ch Independent O.E. (16ch+8ch=24ch)		
Event-Probe	Channels		16 (DG) + 16 (Event) + 1 (Clock Input)		
	Frequency		200MHz (Max.)		
	Operation		-1V~8V @ 0.1V Resolution		
	Input Voltage (Non-destructive)		±15V DC+AC peak (Max.)		
	Minimum Pulse Width		2.5 ns		
	Sensitivity		~300mV		
	Impedance		1M    5p		

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## Packing List :

						<ul style="list-style-type: none"> <li>· USB3.0 (1.8M)</li> <li>· BNC to MCX</li> <li>· Gripper</li> <li>· Adapter/ Power cord</li> </ul>
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Software and Manual Download links at: <https://www.acute.com.tw>