

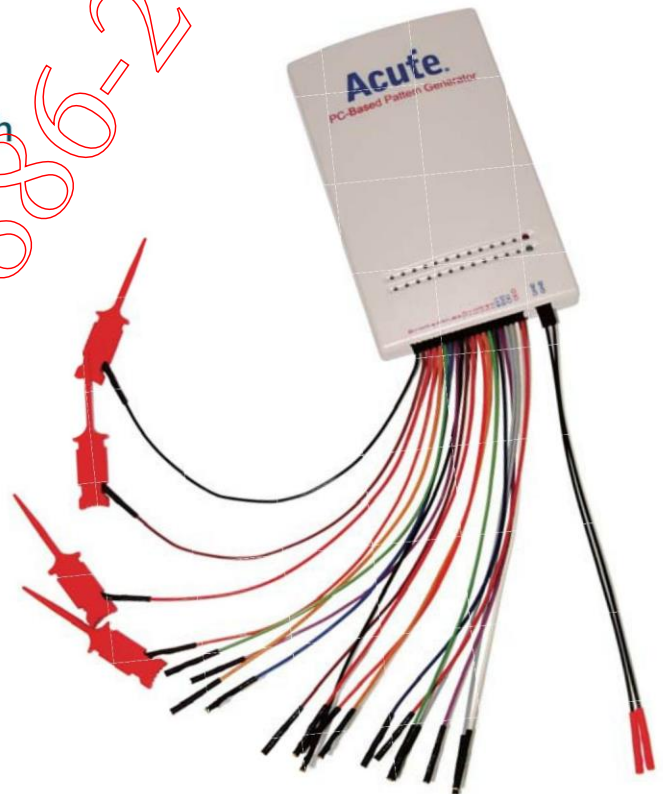
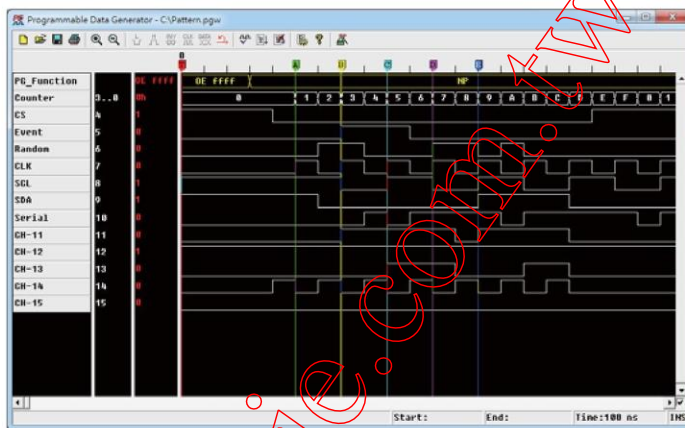
# Acute

## PkPG2x16+ Data Generator

- PC-based, USB2.0 powered
- 16 channels
- 200 Mb/s data rate
- Output voltage : Hi-Z and 8 levels (1.5V ~ 5V)
- Default pattern : RS232, Sync / Async-Counter, I<sup>2</sup>C, I<sup>2</sup>S, SPI, CAN, USB1.1, ...
- User pattern : Direct draw, Acute-LA / Text / VHDL / VCD, ...

Model	Data Rate	Pattern Depth
PkPG2016+	200 Mb/s	64Kb/ch
PkPG2116+	200 Mb/s	512Kb/ch

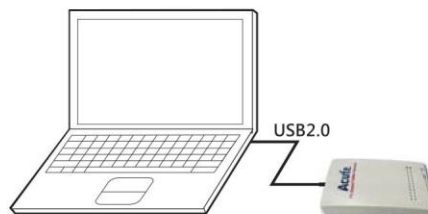
### Software Window



117 x 72 x 20 mm<sup>3</sup>

### System Requirements

- USB 2.0 port
- XP, Vista, Win 7, Win 8 (32 / 64 bits)



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# PkPG2000+ series

Model		PkPG2016+	PkPG2116+
Power	Power Source	USB bus-power (+5V)	
	Static Power Dissipation	0.75W	
	Max Power Dissipation	< 2.5W	
	Protection	Re-settable Fuse (750mA)	
Hardware Interface		USB	
Number of Output Channels		16 (ch-0 ~ ch-15)	
Max. Data Rate		200Mb/s	
Operation Clock System	Internal Operation Clock Range	200MHz ~ 10Hz	
	Internal Operation Clock Mode	Adjustable (Fine tune)	
	Internal Operation Clock Output Channels	1 Channels (ch-19; TTL 3.3)	
	External Operation Clock Range	< 200MHz	
	External Operation Clock Mode	Internal/External Clock Logic Not, And	
	External Operation Clock Input Channels	1 Channel (ch-18; TTL 3.3)	
Data Flow Control		Loop, Jump, Wait for Event, Branch (if command)	
Output Type		5V, 3.3V, 3V, 2.8V, 2.5V, 2.1V, 1.8V, 1.5V, Hi-Z	
Fan Out		20mA/ea. (Total < 200mA)	
Data Skew		< 3ns	
Memory	Total Memory Size	128K Bytes	1M Bytes
	Pattern Depth (in vectors)	64kb/ch	512Kb/ch
Event	Internal Event	Hot Key	
	External Event Channel	2 (ch-16, ch-17)	
	External Event Mode	Events Not, Or	
	External Event Threshold	TTL3.3	
Temperature	Operating Temperature	5°C ~ 45°C (41°F ~ 113°F)	
	Storage Temperature	-40°C ~ 75°C (-40°F ~ 167°F)	
Software Feature	Operating System	Windows 98/ME/2000/XP/Vista/7	
	Languages	English/Traditional Chinese/ Simplified Chinese	
	Save & Load Waveform	Yes	
	Print Waveform	Yes	
	Online Help	Yes	
Software Feature	Regular Waveform Generator	Synchronous Counter Asynchronous Counter Printer (SPP)	
	Irregular Waveform Generator	UART, I <sup>2</sup> C, SPI, LIN, CAN, I <sup>2</sup> S, USB1.1,...etc.	
	Waveform Editing Interface	Waveform Drawing Script File	
Software Feature	Waveform Conversion	Acute-LA (.LAW) Acute-PG vector file (.PGV) VHDL wave convert (.VHT) Altera (.TBL) Customer Requirement	
	Dimension	Length x Width x Height (mm <sup>3</sup> ) 117 x 72 x 20	

## Packing list

Item	Quantity
1. PkPG-2x16+ mainframe	1
2. USB A-B Cable (1.8m)	1
3. Probe ( Red )	22
4. Signal connector	1
5. Ground line/black	1
6. Installation CD	1

**Acute**  
PC-based I&M Instruments



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