

GoLogicXL™ Logic Analyzer

The Versatile Digital Problem Solver

Providing high speed timing and deep sample depths to solve your most demanding problems

High Speed Sampling

- 36 channels @ 500 MHz Transitional Timing
- 16 channels @ 1 GHz Transitional Timing
- 36 channels @ 500 MHz Glitch capture
- 9 channels @ 4 GHz
- 18 channels @ 2 GHz
- 36 channels @ 1 GHz
- 72 channels @ 500 MHz

Large Sample Depths

- 9 channels @ 1 Billion samples
- 18 channels @ 534 M samples
- 36 channels @ 268 M samples
- 72 channels @ 134 M samples

Portable

3.9" x 5.7" x 1.6", 22oz.
100 mm x 145 mm x 41 mm, 608g
Rugged aluminum case

Serial Bus Triggering and Decoding

1-Wire, CAN, I2C, I2S, LIN, MMC, SD, SPI, μ -wire, SPI Multi-IO, UART (RS232 / 422, etc.), Raw bit-stream

MSO Capable

ScopeLink™ integrates a stand-alone Tektronix® or Agilent® DSO to capture and view analog waveforms aligned with the GoLogicXL timing diagrams.

Powerful Triggering

TriggerForms™ make setting up the GoLogicXL quick and easy. Value triggers, edge triggers, range triggers, glitch triggers, timers, counters, and a 16-level sequence are supported.

Differential and Single-Ended Probes

The low capacitance flying lead sets are coaxially shielded, provide an individual ground for each channel, and support small 300 mV input voltage swings. Mictor and PinPoint™ probes are also available.

Upgrade Later

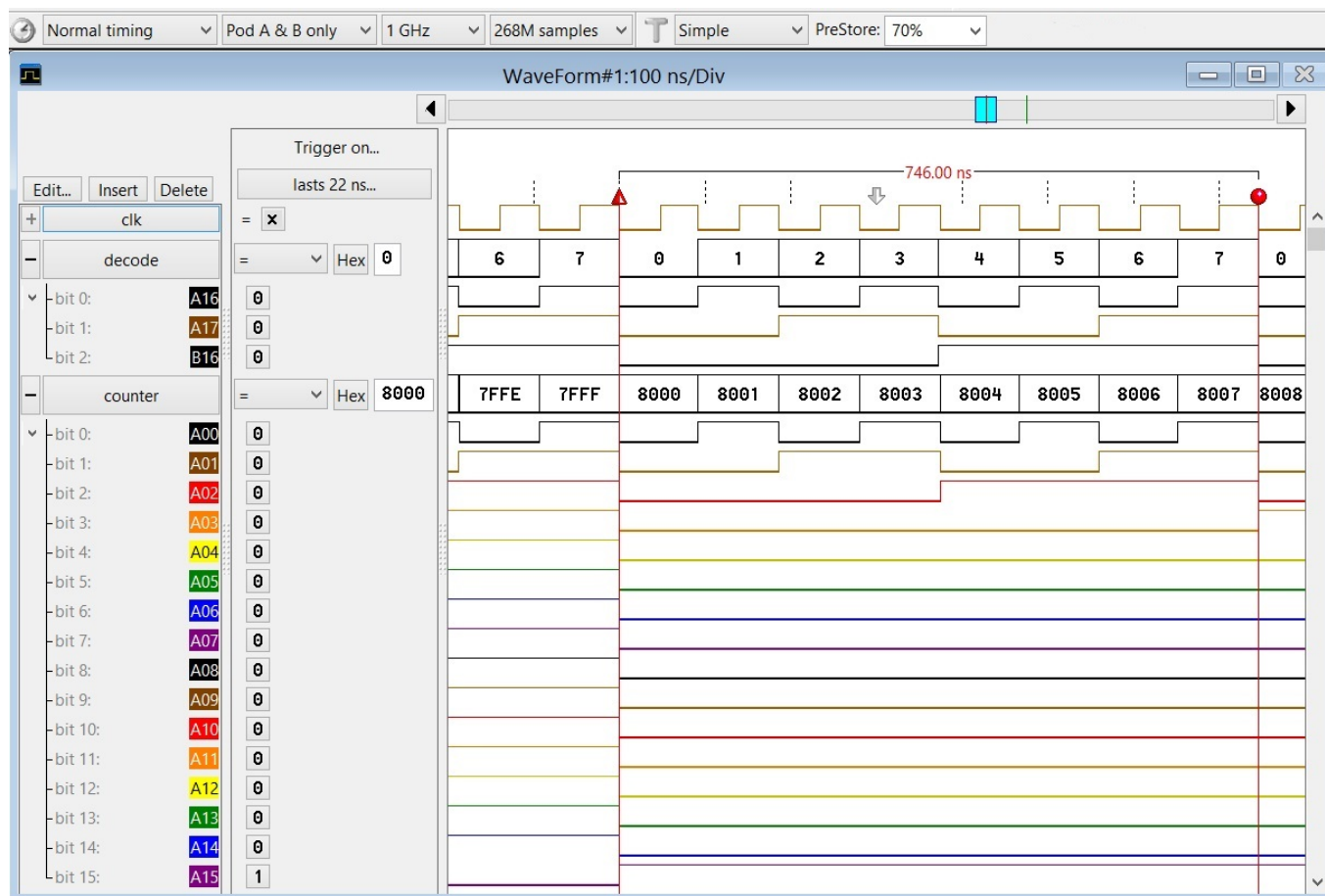
Channels and/or memory depth can be upgraded after purchase.



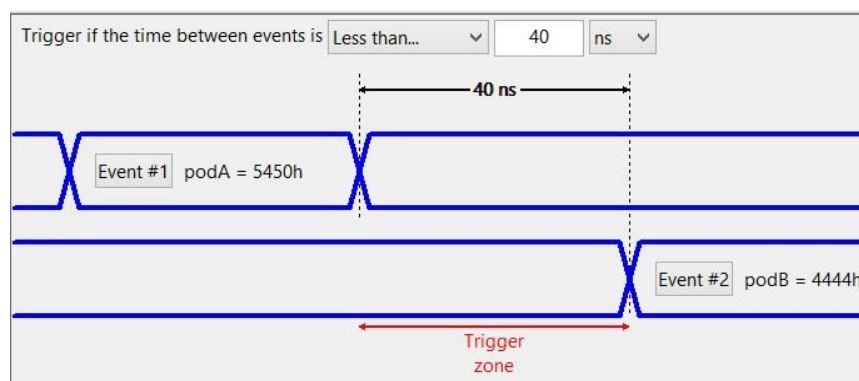
NCI Newcomb Company Inc.
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TEL 256-837-6667
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e-mail: sales@nci-usa.com

Intuitive software means easy measurements



TriggerForms™ for easy trigger setup



Serial Bus Triggering

Triggers detect packet values.

Large sample depths and transitional timing capture large streams of serial bus values.

Trigger Bus: I2C (SCL=A00 SDA=A01)

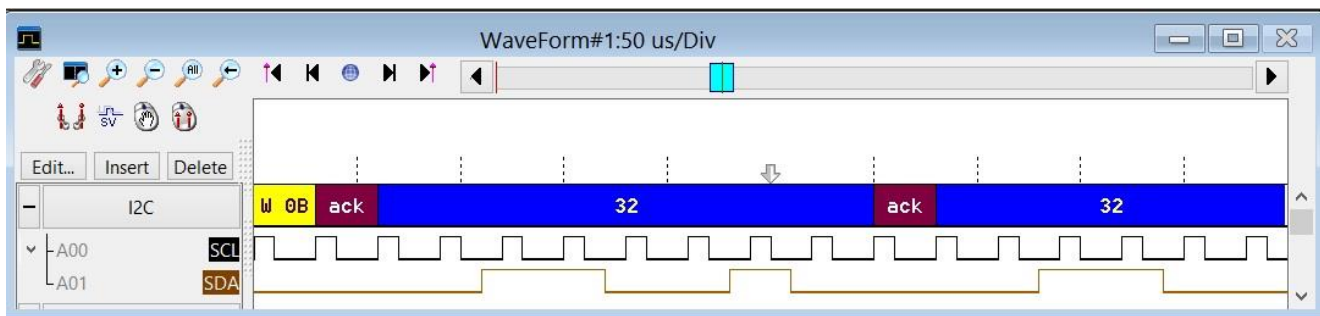
Values = addr+2 data

Addr = 0B Hex R/W = write ack = any

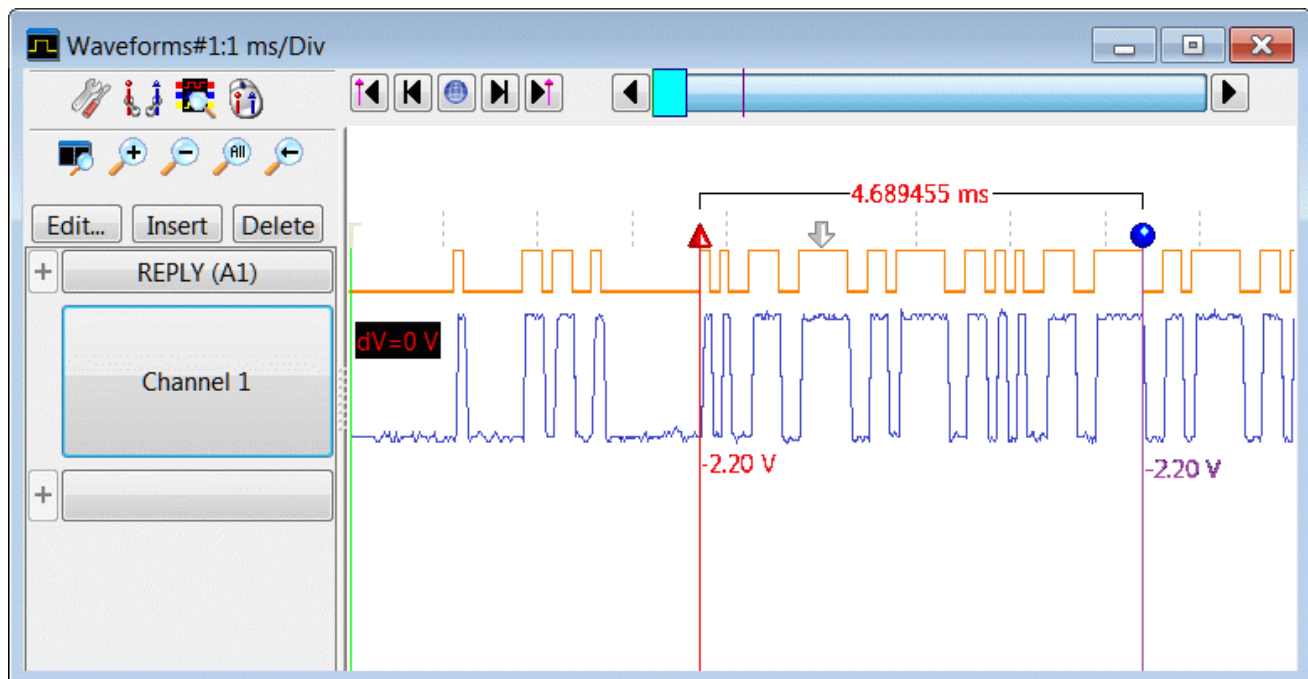
Data1 = 32 Hex ack = any

Data2 = 32 Hex ack = any

WaveForm window serial bus display



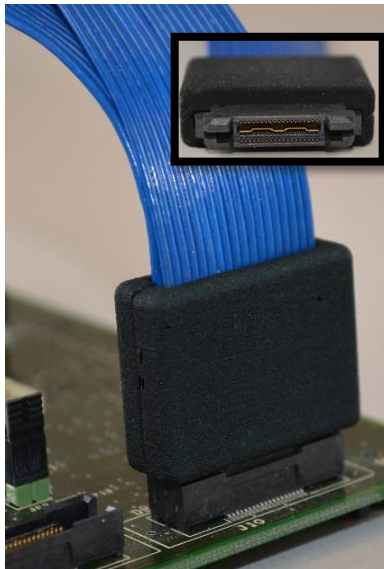
WaveForm window with GoLogicXL and scope data



Flying lead set



Mictor probe



PinPoint™ probe



Specifications:

Channels / Mode	Max Speed	Large Memory	Mid Memory	Base Memory
9 / Timing	4 GHz	1 B samples	536 M samples	268 M samples
16 / Transitional	1 GHz	268 M samples	134 M samples	68 M samples
18 / Timing	2 GHz	536 M samples	268 M samples	134 M samples
36 / Timing	1 GHz	268 M samples	134 M samples	68 M samples
36 / Transitional	500 MHz	134 M samples	68 M samples	34 M samples
36 / Glitch	500 MHz	134 M samples	68 M samples	34 M samples
36 / State	300 MHz	268 M samples	134 M samples	68 M samples
72 / Timing	500 MHz	134 M samples	68 M samples	34 M samples
72 / Transitional	250 MHz	68 M samples	34 M samples	17 M samples
72 / State	300 MHz	134 M samples	68 M samples	34 M samples

Impedance	20K Ohm / 4.5 pF
Min/max input voltage	-12V to +12V
Minimum logic swing	300 mV
Threshold levels	0V to 3.2V, 10mV steps
Value triggers	16
Edge triggers	16
Range triggers	8
Glitch triggers	yes
Sequence levels	16
Timers	16
Counters	16
Max trigger rate	500 MHz

Six models (upgradable)

Part#	Description
GXL365M	36 channels, base memory
GXL361G	36 channels, mid memory
GXL362G	36 channels, large memory
GXL725M	72 channels, base memory
GXL721G	72 channels, mid memory
GXL722G	72 channels, large memory

Probing options

Part#	Description
LDXL36AB	30 cm (12") Flying lead set, pod A/B
LDXL36CD	30 cm (12") Flying lead set, pod C/D
MCXL36	30 cm (12") Mictor probe
PPXL36	30 cm (12") PinPoint™ probe

Specifications subject to change without notice.



Systems include main logic analyzer unit, power supply, carrying bag, USB cable, Scopelink™ cable, quick-start guide, and software installation CD. (probes purchased separately)



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