



# Acute TravelLogic series 4 GHz Logic Analyzer

123x76x21 mm<sup>3</sup>

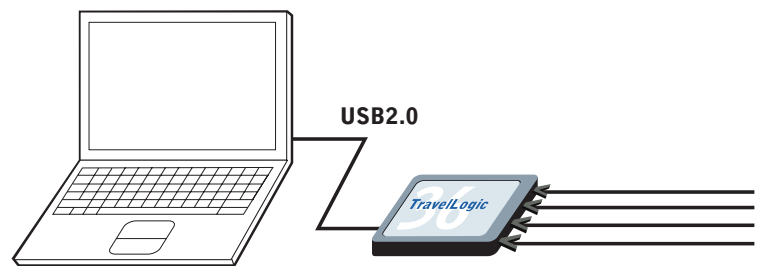
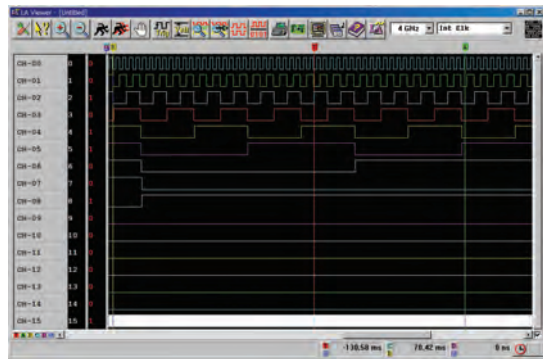


## Features

- PC-based
- USB2.0 interface/powered
- 36 channels
- 4 GHz Timing analysis
- 200 MHz State analysis
- 180K/18M/72M bits memory
- Glitch trigger (500 ps)
- UART, I<sup>2</sup>C, I<sup>2</sup>S, SPI H/W trigger
- 4-conditions (16 levels each) trigger
- Data logger (HD storage)
- Time Stamp
- Real time frequency display
- Real time State display
- Stackable with Acute or other DSO
- Input Sensitivity 0.25Vpp

**TravelLogic series**  
**Application**  
**Screen**

Model:  
TL2036Lite  
TL2036  
TL2136  
TL2236



## System Requirements

- Above Intel Pentium-II compatible PC (1GHz or faster recommended)
- One USB A type port (USB2.0 recommended)
- Windows 98/ME/2000/XP/Vista Operating System
- 128MB Memory available
- Disk Space more than 80MB
- CD Drive for installation program
- 640x480 VGA or higher (1024x768 or higher recommended)
- Keyboard & Mouse

**Acute**<sup>®</sup>

Acute Technology Inc.

Supplied by :  
Tel: 0027 (0)11 683 4365

Email:

**Test and Measurement Instruments C.C.**

[www.instrumentsgroup.co.za](http://www.instrumentsgroup.co.za)

[t.m.i@iafrica.com](mailto:t.m.i@iafrica.com)



## TravelLogic series

Model		TL2036Lite	TL2036	TL2136	TL2236
Power	Power Source	USB bus-power (+5V)			
	Static Power Dissipation	0.75W			
	Max Power Dissipation	<2.5W			
Hardware Interface		USB2.0 (USB1.1 Compatible)			
Timing Analysis Sample Rate		4GHz			
State Clock Rate		200MHz			
Time Stamp		Yes			
Special Transitional Sampling		Yes			
Channels		36			
Total Sample Memory		180K bits		18M bits	72M bits
Timing vs. memory vs. available channels	Timing Analysis	Memory per channel (bits) / number of channels available			
	4 GHz	2.5K / 36		2.5K / 36	2.5K / 36
	2 GHz	5K / 36		5K / 36	5K / 36
	1.6 GHz	32K / 4		4M / 4	16M / 4
	800 MHz	16K / 9		2M / 9	8M / 9
	400 MHz	8K / 18		1M / 18	4M / 18
	200 MHz	4K / 36		512K / 36	2M / 36
Trigger	Resolution	250ps			
	Channels	36			
	Conditions	4			
	Levels for each Condition	16			
	Pre/Post Trigger setting	Yes			
	Pass Counter	Yes			
	Event Types	Word, Channel, Transition, Glitch, Width			
	Serial Protocol	UART, I <sup>2</sup> C, I <sup>2</sup> S, SPI			
	Input port (for Stack)	TTL 3.3V			
	Output port (for Stack)	TTL 3.3V			
Threshold	Range	+6V to -6V			
	Resolution	50mV			
	Accuracy	±100mV + 5%*Vth			
Maximum Input Voltage		±40V DC 15Vpp AC			
Input Sensitivity		0.25Vpp @50MHz			
		0.5Vpp @150MHz			
		0.8Vpp @250MHz			
Impedance		200KΩ // <5pF			
Temperature	Operating Temperature	5°C ~ 45°C (41°F ~ 113°F)			
	Storage Temperature	-10°C ~ 65°C (14°F ~ 149°F)			
Channel to channel skew		< 1ns			
Software features	Zoom In & Zoom Out	1/2048 ~ 32			
	Languages	English / Traditional Chinese			
	Waveform Height	Adjustable			
	Save & Load Waveform	Yes			
	Print Waveform	Yes			
	Project Manager	Yes			
	Online Help	Yes			
	Export waveform to Bitmap file	Yes			
	Export waveform to Text file	Yes			
	Export waveform to PGV file	Yes			
Trigger, auxiliary cursors		1, 5			
Data Logger		Saved to Hard Disk			
Dimension	Length x Width x Height (mm <sup>3</sup> )	123x76x21			
Lead Cable		Teflon insulated 40 lead cables (36 Signal + 4 Ground)			
Grippers		0		40	

Supplied by :

Tel: 0027 (0)11 683 4365

Email:

**Test and Measurement Instruments C.C.**

[www.instrumentsgroup.co.za](http://www.instrumentsgroup.co.za)

[t.m.i@iafrica.com](mailto:t.m.i@iafrica.com)

