Acute

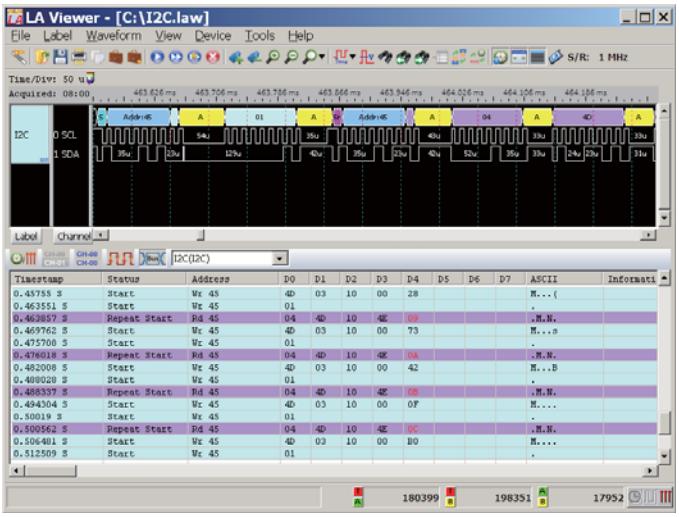
TravelLogic logic analyzer

123 x 76 x 21 mm³

- PC-based
- USB2.0 interface / powered
- 18 channels
- 4 GHz timing
- 200 MHz state analysis
- 4-conditions (4 levels each) trigger
- Data Logger (HD storage)
- Transitional Storage / Qualified Storage
- Input Sensitivity 0.25Vpp
- Stackable with Acute or other brand DSO to form an MSO
- Bus Trigger : I²C
- Bus Decode : CAN, eMMC, I²C, I²S, NAND Flash, PMBus, SD, SMBus, SPI, SVI2, SVID, LPC, MDIO, MHL-CBus, PWM, UART, USB1.1, ... (60+ decodes)

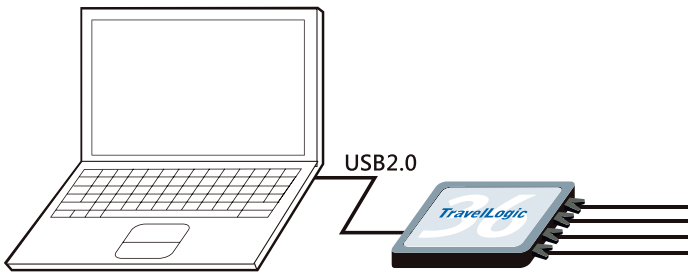
Model	Channels	Memory / CH	Total Memory
TL2018E	18 CH	8 Kb	180 Kb
TL2118E	18 CH	1 Mb	18 Mb

Software Window



System Requirements

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



Acute®
PC-based T&M Instruments
Acute Technology Inc.
Tel: 886-2-2999-3275 Fax: 886-2-2999-3276 E-mail: service@acute.com.tw http://www.acute.com.tw

TravelLogic series

Model		TL2018E	TL2118E
Power	Power Source	USB bus-power (+5V)	
	Static Power Dissipation	0.75W	
	Max Power Dissipation	<2.5W	
Hardware Interface		USB2.0	
Timing Analysis (Synchronous,Max Sample Rate)		4 GHz	
State Clock Rate (Asynchronous, External Clock)		200 MHz	
Transitional Storage		Multi channel (55 bits at 5 ns resolution/5.7 years duration)	
Qualified Storage		Only supports Transitional Storage	
Channels (Signal/Ground)		18/2	
Total Sample Memory		180K bits	18M bits
Memory (bits) per channel vs. number of channels available	Timing Analysis	Memory (bits) per channel/number of channels available	
	4 GHz	2.5K/36	
	2 GHz	5K/36	
	1.6 GHz	32K/4	4M/4
	800 MHz	16K/9	2M/9
	400 MHz	8K/18	1M/18
	200 MHz	8K/18 12K/12, 16K/9 24K/6, 36K/4 72K/2, 144K/1	1M/18 1.5M/12, 2M/9 3M/6, 4.5M/4 9M/2, 18M/1
Trigger	Resolution	250ps	
	Channels	18	
	Conditions	Yes (4)	
	Levels for each Condition	Yes (16)	
	Pre/Post Trigger Setting	Yes	
	Pass Counter	Yes (0 ~ 1048575 times)	
	Event Types	Word, Channel, Transition, Glitch, Width, Comparison, Time-out	
	Bus Trigger	I²C	
	Input Port (for Stack)	TTL 3.3V	
	Output Port (for Stack)	TTL 3.3V	
Threshold	Range	+6V ~ -6V	
	Resolution	50mV	
	Accuracy	±100mV + 5%*Vth	
Input Voltage	Maximum	±40V DC, 15Vpp AC	
	Sensitivity	0.25Vpp @50MHz, 0.5Vpp @150MHz, 0.8Vpp @250MHz	
Impedance		200KΩ// <5pF	
Temperature	Operating/Storage Temperature	5°C ~ 45°C (41°F ~ 113°F)/-10°C ~ 65°C (14°F ~ 149°F)	
Channel to channel skew		< 1ns	
Software Features	Zoom In/Out	Yes (Scroll the mouse wheel)	
	Languages	English/Traditional Chinese/Simplified Chinese	
	Waveform Height	Adjustable	
	Zoom Window/Report Window	Yes	
	Quick Cursor-positioning	Yes	
	Import Label(s)	Yes	
	Quick Bus Decode Setup	Yes	
	Trigger cursor/Auxiliary cursors	1/25	
	Data Logger	Saved to Hard Disk	
	Bus Decode	1-Wire, 3-Wire, 7-Segment, A/D Converter, APML, CAN, Close Caption, CEC, DALI, DMX512, DP-Aux, FlexRay, HD Audio, HDQ, HDMI-DDC(EDID), I²C, I²C EEPROM, I²S, I80, IDE, Indicator, ITU656(CCIR656), IrDA, JTAG, LCD1602, LIN, Lissajous, LPC, Math, MDIO, MHL-CBUS, Microwire, MII(RMII), MMC(eMMC), Modbus, NAND Flash, NEC IR, PECI, PMBus, PS/2, PWM, Qi, RC-5, RC-6, SDIO(SD3.0), Serial Flash, Serial IRQ, SGPIO, Smart Card(ISO7816), SMBus, SMI, S/PDIF, SPI, SSI, ST7669, SWD, SWP, SVI2, SVID, UART, UNI/O, USB 1.1, ...	
	Line Decoding	Biphase Mark, Differential-Manchester, Manchester (Thomas, IEEE802.3), Miller, Modified Miller, NRZI, ...	
	Line Encoding	AMI (Standard, B8ZS, HDB3), Biphase Mark, CMI, Differential-Manchester, Manchester (Thomas, IEEE802.3), MLT-3, Miller, Modified Miller, NRZI, Pseudoternary, ...	
Dimension	Length x Width x Height (mm^3)	123 x 76 x 21 (mm^3)	
Lead Cable		A 40-pin lead cable (36 Signal + 4 Ground)	
Grippers		10	

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