

Logic Probe & Logic Pulser



Model	610 & 610B			610B	625	
Input Signal	LED			Beeper	LED	
	Hi	Lo	Pulse		Hi	Lo
Logic "1"	●	○	○	High tone	●	○
Logic "0"	○	●	○	Low tone	○	●
Bad level or Open circuit	○	○	○		○	○
Square wave <200KHz	●	●	*	1. Alternate and intermittently sound 2. Mixed and intermittently sound	●	●
Square wave >200KHz	⊙	⊙	*		●	●
Narrow high pulse	○	●	*	Intermittently low tone	●	●
Narrow low pulse	●	○	*	Intermittently high tone	●	●

● LED On ○ LED Off ⊙ LED may or may not be on

* Blinking LED, Intensity is proportional to the duty cycle of the signal observed.

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Feature:



Model 610: Logic Probe (20MHz frequency displayable)

Model 610B: Logic Probe with beeper tone (20MHz frequency displayable)

Model 625: Logic Probe (50MHz frequency displayable) & Logic Pulser



Specifications (610, 610B)

Operating temperature	0°C to 50°C, 80% Relative Humidity
Storage temperature	-20°C to 65°C, 75% Relative Humidity
Weight	610 & 610B 1.6 Ounces (45g) approx. 625 1.76 Ounces (50g) approx.
Dimensions	8.2 Inches (21cm) Loge X 0.7 Inch (1.8cm) Wide X 0.7 Inch (1.8cm) Deep.

Specifications (625)

Sync input impedance	1M Ω
Pulse Rate	0.5 / 400Hz
Pulse Width.....	10 μ S
Output current.....	100mA sink / source
Square Wave Output Current	5mA sink/source
Power Supply Range	5 – 15V DC
Power Supply Protection.....	20V DC (30 seconds max.)
Sync Input Protection	120V DC (30 seconds max.)
Test Point Protection	35V DC (30 seconds max.)

Electrical (At 23 $\pm$ 5°C, 75% relative humidity maximum):

Model	610 & 610B	625
Maximum Input Signal Frequency	20MHz	50MHz
Input Impedance.....	1M Ω	120K Ω
Operating supply range	4V DC Minimum, 18V DC Maximum	
TTL: Logic "1" (Hi LED)	>2.3 $\pm$ 0.2V DC	>3.0 $\pm$ 0.25V
Logic "0" (Lo LED).....	<0.8 $\pm$ 0.2V DC	<0.75 $\pm$ 0.25V
CMOS: Logic "1" (Hi LED)	>70% Vcc $\pm$ 10%	>60% Vcc $\pm$ 5%
Logic "0" (Lo LED).....	<30% Vcc $\pm$ 10%	<15% Vcc $\pm$ 5%
Minimum Detectable Pulse width.....	30 Nanoseconds	10 Nanoseconds
Maximum signal input Protection	$\pm$ 220V AC/DC (for 15 seconds)	$\pm$ 70V AC/DC (for 15 seconds)
Power supply protection.....	$\pm$ 20V DC	$\pm$ 20V DC
Pulse indicator Flash Time	500ms	

Supplied by :



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t.m.i@iafrica.com Tel: 0027 (011) 683 4365