

RSR Logic Probes and Pulsers

Part No. 01LP620 Logic Pulser



Models 610/611



Model 620



Model 625

INTRODUCTION

The Logic Probe is ideal for troubleshooting and analysis of logic circuits. It works as a level detector, a pulse detector, a pulse stretcher, and a pulse memory (*Models 611 and 610B only*). It features include

- Circuit powered
- LED indicators: HI (red LED), LO (green LED) and PULSE/MEMORY (yellow LED) (*Models 611 & 610 only*).
- Logic HI; LO; PULSER with different beeper tone (*Model 610 only*).
- Switch-selectable pulse detection or pulse memory function (*Models 611 & 610 only*)
- Switch-selectable TTL or CMOS circuits. (*Models 611 & 610 only*).

OPERATION

- Attach red alligator clip to positive side of d.c. power supply of printed circuit board under test.
- Attach black alligator clip to negative side of d.c. power supply of printed circuit board under test.
- LED Display pattern:

MODEL	611 & 610			610	625	
	LED			BEEPER	LED	
INPUT SIGNAL	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	●	●
<i>LED ON</i>	<i>LED OFF</i>	<i>LED ○ or may not be on</i>			●	●

● ○ ◐
* Blinking LED, intensity is proportional to the duty cycle of the signal observed.

NOTE: *If Model 625 LO LED lighted, when power supply voltage is upper 10V. This is normal condition; will not effect the logic probe features.*

- After the PULSE / MEMORY Switch is placed in MEM position, the Pulse indicator (yellow LED) will latch on with the first transition (either rising or falling). Thereafter, as long as the probe is powered, the LED will remain on until reset by switching to PULSE position. (*611 & 610 only*)

