

INTRODUCTION

The Logic Pulser is a very effective tool for inspecting and repairing the logic circuits. It can be used directly to inject a signal into the logic circuits without removing the IC or breaking the circuits. The 100mA pulse output insures that the device under test will be pulsed, while the short 10µS duration of the output pulse makes sure that no damage will be done to the circuit under test. The logic Pulser output is changeable between 0.5 and 400Hz, making it suitable for use with either a logic probe or with an oscilloscope, also has an external sync input, which enables the user to synchronize the pulse output with an external signal, such as a computer clock circuit

GENERAL SPECIFICATION

Operating Temperature	: 0°C to 50°C, 80% Relative Humidity
Storage Temperature	: -20°C to 65°C, 75% Relative Humidity
Weight	: 1.76 Ounces (50g) approx.
Dimensions	: 8.2 Inces (21 cm) Long X. 0.7 Inch (1.8 cm) Wide X. 0.7 Inch (1.8 cm) Deep.
Sync Input Impedance	: 1MΩ
Pulse Rate	: 0.5 / 400Hz
Pulse Width	: 10ms
Output Current	: 100mA singk / source
Square Ware Output Current	: 5mA sink / source
Power Supply Range	: 5 - 15V DC
Power Supply Protection	: 20V DC (30 second max.)
Sync Input Protection	: 120V DC (30 seconds max.)
Test Point Protection	: 35V DC (30 seconds max.)



TECHNICAL SPECIFICATION

At 23 ± 5°C, 75% Relative Humidity Maximum

Model	625
Maximum Input Signal Frequency	50MHz
Input Impedance	120KΩ
Operating Supply Range	4V DC Minimum 18V DC Maximum
TTL: Logic "1" (Hi LED)	> 3.0 ± 0.25V
Logic "0" (lo LED)	< 0.75 ± 0.25V
CMOS: Logic "1" (Hi LED)	> 60% Vcc ± 5%
Logic "0" (Lo LED)	< 15% Vcc ± 5%
Minimum Detectable Pulse Width	10 Nanoseconds
Maximum Signal input Protection	± 70V AC/DC (for 15 seconds)
Power supply protection	± 20V DC

MODEL	625	
Input Signal	LED	
	Hi	Lo
Logic "1"	●	0
Logic "0"	0	●
Bad Level or Open Circuit	0	0
Square Wave <200KHz	●	●
Square Wave > 200KHz	●	●
Narrow High Pulse	●	●
Narrow Low Pulse	●	●

● LED ON 0 LED OFF.

*Technical Specifications & Appearance are subject to change without prior notice