

# Specifications

## Specifications Details

	256XL	1024XL	1536XL	2048XL
Test Point Capacity	128 – 256 bi-directional	128 – 1024 bi-directional	128 – 1536 bi-directional	128 - 2048 bi-directional
Dimensions (W x D x H)	11.2" x 7.3" x 3.75" 284mm x 186mm x 95mm	11.2" x 7.3" x 6.5" 284mm x 186mm x 165mm	11.2" x 7.3" x 8.5" 284mm x 186mm x 216mm	11.2" x 7.3" x 10.5" 284mm x 186mm x 267mm
Weight:	8 lbs (3.6 kg)	12 lbs. (5.5 kg)	15 lbs (6.8kg)	19 lbs (8.6kg)
Input Power	Standard 90-260 VAC, 50-60 Hz, 30 W			
Test Point Interface:	64 pin card edge connectors (or equivalent) Ribbon: AMP# 1-11110-1 Discrete: AMP# 2-583718-7			
Test Voltage	Range: 2-12 VDC		Resolution: 50mV	
Thresholds	Range: 0-10 VDC		Resolution: 40 mV	
Constant Current	Range: 0-6 mA		Resolution: 40 $\mu$ A	
Dwell Time	Range: 0.1 ms - 1.0 s		Resolution: 0.1 ms	
Sensitivity:	Programmable by altering test voltage, threshold, and constant current load			
Operating Speed	Scans up to 10,000 points per second			
Resistance	Accuracy of up to 5% between 5k $\Omega$ and 50k $\Omega$ .			
Capacitance	Capable of testing Capacitors between 0.1 $\mu$ F to 470 $\mu$ F			
Diodes	Capable of verifying correct anode/cathode orientation			

# Calibration Notice

## ***Analyzer Test Resistances***

The Analyzers resistance threshold for continuity and shorts defaults to 1000 $\Omega$ . Due to internal component specifications, this 1000 $\Omega$  value can range from approximately 700 $\Omega$  to 1300 $\Omega$ . The resistance thresholds are set by the PASS® software and can be modified on each unique program generated.

## ***Self Diagnostic Testing***

Dynalab Circuit Analyzers perform an internal diagnostic test during the execution of a program. If the Analyzer has an internal failure, it will either display the error associated with the defective I/O point or malfunction so that the test pass cannot be successfully completed.

## ***User Initiated Diagnostic Test***

A diagnostic test can be performed that will validate the internal functions of the Analyzer. These tests are executed from the Diagnostic Menu. Depressing the Stop button while turning the Analyzer on accesses the Diagnostic Menu.

## ***Additional Diagnostic Testing Hardware***

Custom test hardware and programs can be created to verify the Analyzer is testing within the 700 $\Omega$  to 1300 $\Omega$  range. Contact Dynalab Engineering for more information.

If there are any questions concerning the calibration of Dynalab products, please feel free to contact us to further discuss your concerns.