



This tester is designed to test the Automatic Parachute Ripcord Release, Model 2101, FXC P/N 811-00156

Portable Automatic Digital Test Chamber

The Model 2101 Automatic Parachute Ripcord Release is sensitive to a preset altitude through an aneroid blocking mechanism. The principal actions to be tested are the consistency of the aneroid in releasing the mechanism at a predetermined altitude and the time delay accuracy of the mechanism at or below the preset altitude. This Tester will automatically test the altitude and time delay accuracy of the model 2101.

Description

This Test Chamber is Designed specifically to test the time delay and altitude accuracy of the Automatic Parachute Ripcord Release FXC Model 2101, Part Number 811-00156. The Test Chamber is fully automatic and will operate on either 110 vac or 230 vac input. The altitude and timer meters are digital and will lock the reading when the Model 2101 activates. To test the altitude accuracy of the Model 2101, simply cock the unit with the Test Arming Cable installed and place in the test chamber as shown below. Then place the Altitude switch to the "Test" position. The Tester will automatically evacuate to 30,000 feet above sea level, withdraw the Arming Cable, and begin descending. When the Model 2101, activates, the Altitude Meter will lock at the reading. After recording data, place the Altitude Switch to "Reset" and allow the tester to return to ambient barometric pressure. To test the timer accuracy of the Model 2101, simply cock the unit with the Test Arming Cable installed in place in the test chamber as shown on the reverse side of this document. Then place the Timer Switch in the "Test" position. The Tester will automatically withdraw the Arming Cable and the Timer Meter will begin. When the Model 2101 activates, the Times Meter will lock at the timer reading.

Specifications

Part Number	71-07146-21
Electrical Requirements	
Voltage:	110 vac, 60Hz +/-10%
	230 vac, 50/60Hz +/-30%
Current:	1.5 Amperes +/-30%
Simulate Altitude Range	-1,000 feet to 30,000 feet above SEA LEVEL
Altitude Meter Accuracy	+/-1% or +/-50 feet whichever is greater
Timer Range	00.00 second to 49.99 seconds
Operating Temperature	72° F +/-35° F
Relative Humidity	50% +/-30%
Size	23.62 Inch Lg X 14.50 Inch W X 9.50 Inch H
Gross Weight	53 Pounds

