



CSI-46

Gelbo Flex Tester



LIFETIME
TECHNICAL
SUPPORT



Introduction

This instrument is used to determine the flex resistance of flexible barrier materials. The tester subjects the specimens to a controlled flex condition which may be twisting, horizontal, and crushing of the material.

Model CSI-46 tester is manufactured from quality components and superior workmanship. This instrument meets and exceeds the requirements of ASTM F392, INDA Standard Test IST 160.1, EDENA 220.0-96, MILB- 131H Fed. Std. 101 Method 2017, DEF STAN 81-75/2. The apparatus consists of a drive mechanism that produces a constant rotating and linear motion for the two specimen holders available. The stroke length may be mechanically adjusted when the test requires it, while the twist motions is maintained constant. The number of abrasion cycles is displayed by a digital counter. The control panel features all necessary operation controls. Optionally, a low temperature conditioning chamber is available to allow the operator testing materials at low temperatures. The system works with a Nitrogen supply and is automatically controlled by simple programming of the temperature controller.

Test Standards

- ✓ ASTM F392
- ✓ INDA Standard Test IST 160.1
- ✓ EDENA 220.0-96
- ✓ MIL-B-131H Fed. Std. 101 Method 2017
- ✓ DEF STAN 81-75/2

Standard Features

- Meets ASTM F392. Other test methods must be specifically requested at time of order.

- Number of test samples: Two.
- Predetermined Electric Counter - 6 digits.
- CSI certificate of conformity



Accessories (Optional)

The CSI-46 is also supplied with the items below:

- ✓ Low temperature chamber
- ✓ Double wall stainless steel chamber
- ✓ Automatic temperature controller

Technical Specifications

Flex Rate	45 strokes per minute
Stroke Length	6" (199mm) Full; 3.25" (80mm) Partial
Twist Full Stroke	440 degrees
Twist Partial Stroke	400 degrees
Sample Size	200 x 280-mm
Mandrell Size	90-mm Diameter
Documentation	NIST Calibration Certificate, Conformance Certificate, Operator's Manual, Software User's Guide
Warranty	12 months
Technical Support	Lifetime

Installation Requirements

Electrical Specification:	115VAC, 60Hz, 1Ph 220VAC, 50Hz, 1Ph
---------------------------	--

Dimensions and Weights

Approx Physical Weight:	200 lbs. (90 kgs.)
Approx Physical Dimensions:	40" x 16" x 14"
Approx Shipping Weight:	250 lbs.
Approx Shipping Dimensions:	50" x 26" x 24"



Telephone: I (610) 923-6500
Fax: I (610) 923-6543
Email: soles@csi-instruments.com
Website: www.csi-instruments.com
Address: 1125 Conroy Place, Forks Industrial Park IV, Easton, PA
18040-6656 U.S.A.

Follow Us: 

With customers worldwide and a strong network of partners and representatives, CSI is one of the premier manufacturers of high technology material test instrumentation. CSI has been supplying test instruments and laboratory apparatus to industries, laboratories, government agencies, and universities in this country and abroad. The knowledge and expertise we have acquired from years of test instrument design, manufacture, and experience in the testing field is available to serve our valued clients. Rev 1.0/2021 / CSI and the CSI logo are registered trademarks of Custom Scientific Instruments, Inc. / Due to the CSI's continuous development policy; technical changes could be made without prior notice.