

MODEL

9212BE2

POP/TEAR TESTER FOR FULL OPENING ENDS

FEATURES

- **INDUSTRY STANDARD**
- **TESTS ROUND AND NON-ROUND SAMPLES**
- **AIR/HYDRAULIC CONTROL**
- **RELIABLE LOAD CELL DESIGN**
- **DIGITAL DISPLAY OF RESULTS**
- **RS-232 COMMUNICATIONS CAPABILITY**
- **AUXILIARY ANALOG OUTPUT**
- **WIDE RANGE OF CHANGE PARTS**
- **TESTS FREE AND SEAMED-ON ENDS**



LATEST MODEL MAY VARY SLIGHTLY FROM PHOTO

DESCRIPTION

The MODEL 9212BE2 Pop/Tear Tester is used to determine the forces required to first "pop" the score and then "tear" the end panel back on a full opening end.

OPERATION

An appropriate set of Change Parts, determined by the can or end type and size being tested, are installed on the unit. A sample is clamped in place and a hook is attached to the tab. The tab is first rotated to determine the force required to pop the score, and then pulled to measure the force required to tear the end panel open. At the conclusion of each test, failure forces are displayed on the front panel of the Digital Monitor.

SAFETY

The 9212BE2 safety features include guards which help to protect the operator from moving parts.

PRODUCT OVERVIEW

The MODEL 9212BE2 Pop/Tear Tester was designed to determine the forces required to first "pop" a full opening end panel at its score, and then "tear" the end panel back. The 9212BE2 can also determine the force required to cause failure of the tab or its retaining rivet on unseamed full opening ends.

The 9212BE2 provides an industry standard test for determining the force required to open a full opening can end. It can test both unseamed full opening ends and full opening ends that have been seamed to cans. The unit is also capable of restraining an unseamed full opening end and pulling the tab until it breaks, or until its retaining rivet fails.

The 9212BE2 test sequence is controlled by an air/hydraulic cylinder which ensures constant device speed under varying loads. In addition, the cylinder speed can be adjusted, allowing precise control over the rate of the test cycle.

A state-of-the-art load cell is used to determine the forces applied during a test sequence, and these forces are indicated on the electronic digital display.

This unit provides RS-232 communications, allowing test results to be sent to a PC or similar device and also has an auxiliary analog output for connection to a device such as a recorder.

The 9212BE2 must be fitted with an appropriate set of Change Parts in order to test each specific size and type of sample. These Change Parts are manufactured by the Altek company and are required for operation of the unit.

The 9212BE2 has been designed for safe, trouble-free operation.

APPLICATION NOTES

The 9212BE2 is used when the reliability of a load cell and digital display with RS-232 communications and analog outputs are preferred to indicate test results for the "pop/tear" testing of samples with full opening ends. The 9212BE2 is identical to the older 9212BE, with the exception that the 9212BE does not have RS-232 communications capability.

SPECIFICATIONS

The following documents describe the specifications for this unit:

CDXH0601 - Specifications for the 9212B1 Test Head

CDXS0501 - Specifications for the 9531D2 Digital Monitor

CHANGE PARTS

This unit requires the use of Change Parts. Please refer to the following documents for details regarding the Change Parts available for this unit:

9752 / 9753 / 9754 / 9755

CDLC06## - Advertising Flier

CDXC06## - Change Parts Specifications

OPTIONS

Options specified when ordering the 9212BE2 include the following:

Input Line Voltage

Display Readout Units

Serial Communication Settings

ACCESSORIES

Accessories for this unit include:

9844 - Calibration Weights (English or Metric)

CDLA09## - Advertising Flier

CDXA09## - Specifications for the 9844

TECHNICAL SUPPORT

Altek provides comprehensive technical support to its customers worldwide. For assistance, contact Altek and ask for the Engineering department.

REPAIR

Altek customers can obtain a return authorization from Altek and ship a faulty unit in for repair, if necessary. In addition, replacement parts for all models are available from Altek.

WARRANTY

All Altek products are built to the highest standards of quality and reliability. This Altek product is backed by a full 90-day warranty.

FURTHER INFORMATION

See the accompanying fliers and specifications for additional information concerning this product. If these documents were not included with this flier, please call Altek; they will be mailed or faxed as quickly as possible.

CUSTOM DESIGN

Altek can custom design inspection and test equipment to meet specific customer requirements. Custom Change Parts can also be designed and manufactured for most Altek products; contact Altek for further information.

For more information, contact Altek between 8:00 am and 5:00 pm ET, Monday thru Friday. The Altek company address and phone numbers can be found on the front of this flier.

ORDERING INFORMATION

To purchase this product:

This flier is supplemented by additional literature, including specification sheets and Change Parts fliers and specifications.

The 9212BE2 Pop/Tear Tester requires the use of Change Parts, which must be ordered separately; see the accompanying literature.

The 9212BE2 is ordered by requesting the 9212BE2 Customer Order Guide from the Altek Sales Department. The Order Guide, which is filled out by the customer and returned to Altek, provides Altek with the information necessary to process an order for this unit.

Thank you for your interest in TECH • products from Altek!