

# MODEL 9025A2

## PANELING TESTER FOR FOOD/UTILITY CANS

### FEATURES

- MICROPROCESSOR CONTROL OF TEST FOR CONSISTENT RESULTS
- DIGITAL DISPLAY OF RESULTS
- *RS-232* COMMUNICATIONS CAPABILITY
- EXTENSIVE SAFETY FEATURES
- TEST POINT FOR CALIBRATION
- CAN BE FITTED FOR NON-ROUND CANS
- CAN TEST ONE OR BOTH ENDS SEAMED
- SAMPLE CAN BE VIEWED DURING TEST
- AUXILIARY ANALOG OUTPUT (OPTIONAL)



LATEST MODEL MAY VARY SLIGHTLY FROM PHOTO

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### DESCRIPTION

The MODEL 9025A2 Paneling Tester tests the pressure at which a food/utility can will collapse or fail under external pressure.

### OPERATION

An appropriate set of Change Parts, determined by the can type and size being tested, are installed in the unit. A sample is installed on the Change Parts and the test chamber is sealed. Air pressure is applied to the outside of the sample until it fails; the failure pressure is indicated on the front-panel mounted digital display.

### SAFETY

The 9025A2 safety features include chamber interlocks which help to prevent personal injury during operation of the 9025A2 Tester.

## PRODUCT OVERVIEW

The MODEL 9025A2 Paneling Tester was designed to determine the pressure at which a food/utility can fails under external pressure. It tests a sample by applying pressure to the outside and compressing the sample until it collapses or fails.

The 9025A2 accepts both round and non-round samples; the sample can be tested with one or both ends seamed on.

The 9025A2 uses plant-supplied air to pressurize a can sample. The test sequence is controlled by the 9025A2's built-in microprocessor, and the bright, front panel mounted digital display indicates both the pressure applied to the sample during testing and the pressure at which it fails. The 9025A2 provides a large viewing port in the test chamber which allows the test sample to be monitored thru-out the test cycle.

This unit provides switch-selectable test or calibration modes, and provides a test point to which a calibration accessory can be attached for calibrating the unit. This unit also provides RS-232 communications, allowing test results to be sent to a PC or similar device and an auxiliary analog output is provided for connection to a device such as a recorder.

The 9025A2 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 9025A2 incorporates safety interlocks which prevent pressurization when the shield is open. The test chamber is securely sealed during testing, providing safe, dependable operation.

## APPLICATION NOTES

The 9025A2 is used to test the strength of the side wall (panel) of a food/utility can by simulating the internal vacuum forces of a closed can using external pressure.

## SPECIFICATIONS

The following document describes the specifications for this unit:

CDXM4901 - Specifications for the 9025A2

## 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:

**9794 / 9794A / 9794B / 9856 / 9859**

CDLC05## - Advertising Flier

CDXC05## - Change Parts Specifications

## OPTIONS

Options specified when ordering the 9025A2 include the following:

Input Line Voltage

Digital Display Units

Pressurization Rates

Serial Communication Settings

Analog Output

## ACCESSORIES

Accessories available for this unit include:

9776-160 - Calibration Gauge

## 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 9025A2 Paneling Tester requires the use of Change Parts, which must be ordered separately; see the accompanying literature.

Accessories must also be ordered separately.

Options are specified when the unit is ordered.

The 9025A2 is ordered by requesting the 9025A2 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!*

CDXM4901.003

\y9025A2 SPECIFICATIONS

ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

MODEL: ..... 9025A2 PANELING TEST STATION

CHANGE PARTS SPECIFICATIONS: .. C05 (CDXC0501)

EFFECTIVE DATE: ..... JUNE 13, 1997

& DENOTES OPTIONS SPECIFIED BY CUSTOMER

\* DENOTES FIELD ALTERABLE OPTIONS INITIALLY SPECIFIED BY CUSTOMER

WEIGHT/DIMENSIONS: ..... 75# / 21"l X 22"w X 23"h

ENVIRONMENT:    Temperature ..... 50 - 105 degrees F  
                  Humidity ..... 80% max

ELECTRICAL:     Supply Connection ..... standard 3-prong grounded  
                  & Supply Voltage ..... {115, 230} vac  
                  Supply Frequency ..... 50/60 hz, single phase  
                  Supply Protection ..... 15 amp max  
                  Operating Current ..... 1 amp max

PNEUMATIC:      Supply Connection ..... male 1/8 npt fitting  
                  Supply Pressure ..... 105-300 psig  
                  Supply Delivery ..... 1 cfm min  
                  Lubricating Rate ..... 1 drop per 50 test cycles  
                  Lubricating Oil ..... MOBIL DTE LIGHT or equiv

OPERATION:      Mode Switch ..... Test or Calibrate  
                  Calibration Adjust ..... Inside Panel Control  
                  Rate Selection ..... Inside Panel Control  
                  External Regulator ..... 100 psig nom, 125 psig max  
                  Test Regulator ..... 90 psig nom, 125 psig max  
                  O-Ring / Cup Seal  
                  Lubrication ..... PARKER SUPER O-LUBE or equiv  
                  Failure Sensitivity .... {2.5, 5, 7.5, 10} psig  
  (factory set @ 5 psig)  
                  \* Breakpoint (BP) Options. {10, 20, 30, 40} psig  
                  \* Fill Rates (Below BP) ..  
                          10 or 20 BP selected . 5 psig/sec (stepped)  
                          30 or 40 BP selected . 10 psig/sec (stepped)  
                  \* Fill Rates (Above BP) .. {1, 1.5} psig/sec (stepped)  
                  Sample Capacity ..... 200-610 dia, 810 hgt max  
  (2 2/16" - 6 10/16" dia,  
  8 10/16" hgt max)

OUTPUT:         Display ..... 3« digit 0.560" red LED  
                  \*    Units ..... {psig, kPa, kg/cm<sup>2</sup>}  
                          Resolution ..... ñ 1 count  
                  & Recorder Output ..... 0-1 vdc analog  
                  Auxilliary Output ..... 25 pin RS-232 serial  
                  \*    Communications ..... 9600, 8 data, 1 stop, no parity