



MODEL
9505AER

MOBILITY / LUBRICITY TESTER FOR CANS AND FLAT SAMPLES

FEATURES

- COEFFICIENT OF FRICTION READOUT
- VARIABLE OR PEAK READINGS OBTAINED VIA ANALOG ELECTRONIC METER
- MEASUREMENT VIA ELECTRONIC LOAD CELL
- RECORDER FOR PLOTTING RESULTS
- QUICK MOUNT - CHANGE PARTS
- TESTS CAN BODIES AND BOTTOMS
- TESTS FLAT SAMPLES
- RELIABLE MOTOR DRIVEN DESIGN
- SPEED ELECTRONICALLY CONTROLLED
- LEVELING ADJUSTMENT



LATEST MODEL MAY VARY SLIGHTLY FROM PHOTO

DESCRIPTION

The MODEL 9505AER Mobility/Lubricity Tester is used to determine the coefficient of friction of decorated or coated body blanks or cans. The 9505AER tests can bottoms and many other flat materials as well.

OPERATION

An appropriate set of Change Parts, determined by the type and size of can or sample being tested, are installed on the tester. The sample is mounted on the Change Part and a test sequence is initiated. By traversing a weight across a sample, a can body diameter or a can bottom across a set of polished rods, the coefficient of friction is determined and indicated directly on the electronic analog meter and plotted on the chart recorder.

SAFETY

The 9505AER safety features include built-in travel stops and overload protection.

PRODUCT OVERVIEW

The MODEL 9505AER Mobility/Lubricity Tester is used to determine the coefficient of friction of a sample. The 9505AER can test flat samples, formed can bodies, and can bottoms.

The 9505AER is capable of testing the lubricity of a decorated or coated can body or body blank. It can also test the mobility of the bottom of a can body which has not yet had its end seamed on. In addition, the 9505AER can be used to test the lubricity of a flat sample of almost any type of material.

The design of the 9505AER incorporates a reliable electric motor drive for clean, quiet, trouble-free operation. The speed of the drive is electronically controlled, and is selectable via a front panel switch providing a constant speed throughout the test cycle.

The 9505AER test results are indicated directly in coefficient of friction units on the electronic analog meter. The meter incorporates two reading modes. The Test mode displays only the maximum or peak result. The Cal mode, displays the range of results while the weight is being traversed across the sample. The unit also utilizes a chart recorder which provides a permanent hardcopy record of test results.

The 9505AER 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.

Built-in leveling feet allow proper leveling (using the bubble level incorporated into the Change Parts) which helps to ensure accurate, reliable test results. The 9505AER should provide years of trouble-free service.

APPLICATION NOTES

The 9505AER is used when the reliability of an electronics package is preferred over a mechanical gauge for the indication of test results. The 9505AER also provides the user with a hardcopy pen plot of coefficient of friction vs. time of the sample under test.

SPECIFICATIONS

The following documents describe the specifications for this unit:

CDXH0501 - Specifications for the 9505A3 Test Head

CDXS0401 - Specifications for the 9531A2 Analog Meter

CDXS0201 - Specifications for the 9825-2 Recorder

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:

CDLC12## - Advertising Flier

CDXC12## - Change Parts Specifications

OPTIONS

Options specified when ordering the 9505AER include:

Input Line Voltage

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 9505AER Mobility/Lubricity Tester requires the use of Change Parts, which must be ordered separately; see the accompanying literature.

The 9505AER is ordered by requesting the 9505AER 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!

CDXH0501.004

\y9505A3 SPECIFICATIONS

ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

MODEL: 9505A3 TEST HEAD

CHANGE PARTS SPECIFICATIONS: .. C12 (CDXC1201)

EFFECTIVE DATE: MARCH 1, 2001

& DENOTES OPTIONS SPECIFIED BY CUSTOMER

WEIGHT/DIMENSIONS: 18# / 20"l x 10"w x 12"h

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

ELECTRICAL: Supply Connection standard 3-prong grounded
& Supply Voltage 115, 230 vac
 (Model 9823 Transformer
 required for 230 vac operation)
 Supply Frequency 50/60 hz, single phase
 Supply Protection 15 amp max
 Operating Current 1 amp max
 Overload Protection ... 0.5 amp circuit breaker

OPERATION: Test Speed dual: 5"/min and 20"/min
 Test Travel 3 1/2" (Consult ALTEK for
 longer travel lengths)
 Sample Capacity 307 dia, 710 hgt (open can),
 (3 7/16" dia, 7 10/16" hgt),
 6" wide, 8" long (flat sample)

OUTPUT: See Analog Monitor Specifications CDXS04xx.xxx
 or
 Digital Monitor Specifications CDXS08xx.xxx

CDXS0601.001

\y9531A2 SPECIFICATIONS

ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

COMPONENT: 9531A2 ANALOG MONITOR

EFFECTIVE DATE: MARCH 1, 2000

WEIGHT/DIMENSIONS: (approx) 15# / 12"l x 14"w x 7"h

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

ELECTRICAL: Supply Connection standard 3-prong grounded
 Supply Voltage 230 VAC
 Supply Frequency 50/60 hz, single phase
 Supply Protection 15 amp max
 Operating Current 1 amp max
 Overload Protection ... 1 amp circuit breaker

OPERATION: Mode Peak Hold or Calibration
 Zero Reset front panel button
 Zero Adjust inside panel control
 Calibration Adjust inside panel control

INPUT: Transducer 6 pin quick connect

OUTPUT: Readout 4 1/2" wide analog meter
 Capacity 0.0 - 0.25 æ direct reading
 of coefficient of friction;
 0 - 500 grams full scale
 (for calibration use only)
 Resolution01 æ
 Auxiliary 0-1 VDC analog ñ50 mV