CDLM6501

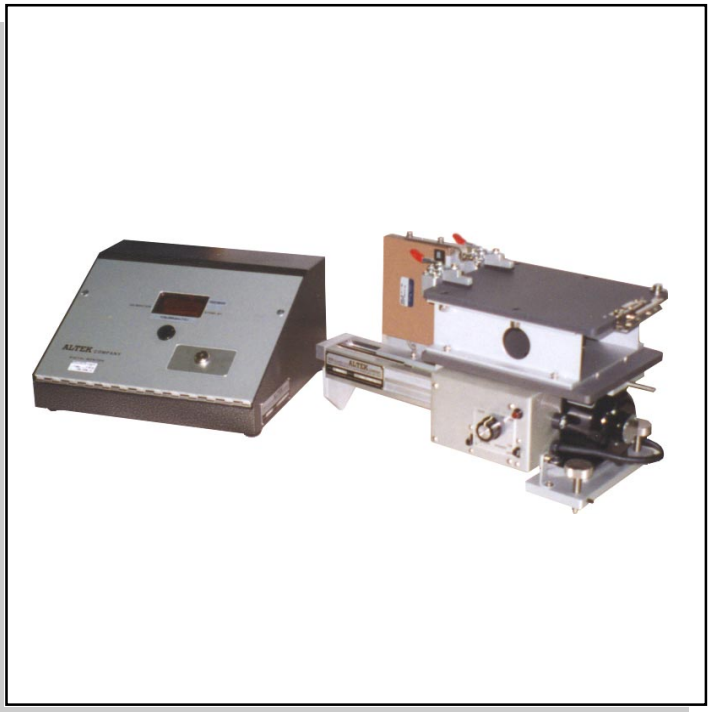
MODEL

9505DF1

PEAK READING DIGITAL MOBILITY / LUBRICITY TESTER

FEATURES

- **DIGITAL DISPLAY OF *PEAK* RESULTS FOR COEFFICIENT OF FRICTION**
- **MEASUREMENT VIA ELECTRONIC LOAD CELL**
- ***RS-232* COMMUNICATION CAPABILITY**
- **QUICK - MOUNT CHANGE PARTS**
- **TESTS CAN BODIES AND BOTTOM**
- **TESTS FLAT SAMPLES**
- **RELIABLE MOTOR-DRIVEN DESIGN**
- **SPEED ELECTRONICALLY CONTROLLED**
- **LEVELING ADJUSTMENT**



LATEST MODEL MAY VARY SLIGHTLY FROM PHOTO

DESCRIPTION

The MODEL 9505DF1 Mobility / Lubricity Tester is used to determine the coefficient of friction of decorated or coated body blanks or cans. The 9505DF1 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, or a can bottom across a set of polished rods, the peak coefficient of friction value is captured and indicated directly on the digital display of the electronic package and transmitted via the RS-232 serial port.

SAFETY

The 9505DF1 safety features include built-in travel stops and overload protection.

PRODUCT OVERVIEW

The MODEL 9505DF1 Mobility/Lubricity Tester is used to determine the coefficient of friction of a sample. The 9505DF1 can test flat samples, formed can bodies, and can bottoms.

The 9505DF1 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 it's end seamed on. In addition, the 9505DF1 can be used to test the lubricity of a flat sample of almost any type of material.

The design of the 9505DF1 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.

While the weight is traversed across the sample, the peak test result is indicated directly in coefficient of friction units on the digital display of the monitor.

The 9505DF1 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 9505DF1 should provide years of trouble-free service.

APPLICATION NOTES

The 9505DF1 is used when the reliability of an electronic load cell and digital electronics with RS-232 communications is preferred to indicate test results when capturing the peak coefficient of friction value of a sample.

Variable test results can be obtained by operating in the Cal mode, however the 9505DF1 was designed as a PEAK reading instrument.

SPECIFICATIONS

The following documents describe the specifications for this unit:

CDXH0501 - Specifications for the 9505A1 Test Head

CDXS0801 - Specifications for the 9531D2F 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:

CDLC12## - Advertising Flier

CDXC12## - Change Parts Specifications

OPTIONS

Input Line Voltage

Serial Communication Settings

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 9505DF1 Mobility / Lubricity Tester requires the use of Change Parts, which must be ordered separately; see the accompanying literature.

The 9505DF1 is ordered by requesting the 9505DF1 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

CDXS1001.001

9531DA2F SPECIFICATIONS

ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

COMPONENT: ..... 9531DA2F DIGITAL 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	115, 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 Switch (set-up) ..	Test or Calibration
	Mode Switch (test)	Peak Coefficient of Friction
	Zero Adjust	inside panel control
	Calibration Adjust ...	inside panel control
	Sampling Rate	4 Sample Points / Sec.
INPUT:	Transducer	6 pin quick connect
OUTPUT:	Readout	4 digit, 0.560" high red LED
	Capacity	.250 µ (500 grams full scale)
	Resolution	± 1.0 count
	Recorder Output	0-1 VDC analog ±50 mV
	Auxiliary Output	25 pin RS-232 serial
	Communication	9600, 8 bit, 1 stop, no parity (default settings; field alterable by customer)