

Series DE-1600 Digital Tear Testers, Elmendorf Type For Plastic Film, Sheet, and Paper 1600 Gram to 6400 Gram Capacities

Full-Featured Digital Tear Testers for Film and Paper

Advanced electronic tear testers available with 1600, 3200 and 6400 gram (15600, 31360 and 62720 mN) pendulum capacities. Oakland Instruments' DE Series Tear Tester answers your need for a simple to use, stand-alone, or Computer-Controlled Instrumented Tester, for measuring Tear resistance of film, paper, sheet, laminated materials, and converted products.

Improved Film and Sheet Quality, Increased Profit Margins

The DE Series Digital Elmendorf Tear Tester is a proven tool for more closely controlling tear characteristics to speed your:

- Production and additives settings and adjustments.
- Research and development of new film and sheet products.
- Inspection of incoming film and sheet products.
- In-process checks to ensure on-spec product for converting operations.

Conforms to ASTM, ISO & TAPPI Test Standards

Conforms to specifications for ASTM D-689, D-1424, D-1922, ISO 1974, 6383-2 and TAPPI T-414 for propagation tear resistance of plastic film, thin plastic sheeting, paper and fabrics.

Advanced Technical Features and Accessories

Advanced Technical Features in Each Model

Electronic Stand-Alone or Computer-Controlled Software-Driven

Each tear tester has a USB connection for stand-alone use or connectivity to a PC with our advanced Tear Tester Software for fully-instrumented operation.

Accessories Available

Augmenting Weights & Add-Weights for testing a wide range of materials with a single pendulum, calibration weights for single point calibration verification. Sample Cutters, Cutting Templates, Thickness Micrometer Systems, and Model DX-8300 Impact & Tear Quality Control Software are also available to provide a complete testing system for your laboratory or plant floor.



The Model DE-1600-CS Digital Elmendorf Tear Tester with solid Pendulum and 1600 gram Add-Weight for a 1600 gram (15600 mN) Tear measurement capacity. Includes Pneumatic Sample Clamps and Integral Sample Cutting Knife

Oakland Instrument Corp.

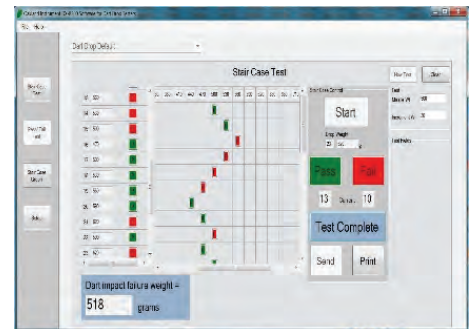
Oakland Instrument Corp. specializes in the design, manufacture and distribution of test, measurement and control systems for the plastics, flexible packaging, and paper industries.

Customer-Driven

We team with our customers to help them solve their quality and process-control problems.

Technology-Based

Our applications based knowledge and engineering depth allow us to offer both standard and custom systems based on industry leading technology.



Specifications

	<u>Model DE-1600-CS</u>	<u>Model DE-1600-SS</u>
Mode of operation:	Off-line testing / lab use	Off-line testing / lab use
Materials:	All sheet materials	All sheet materials
Control Configuration:	Stand-Alone, Console-Driven or Software-Driven	Software-Driven
Measurement Capacity: (One Pendulum & Augmenting Weight Included)	1600 gram (15600 mN)	1600 gram (15600 mN)
Add-Weights Available to Attach to Pendulum:	3200 gram, 6400 gram (31360 mN, 62720 mN)	3200 gram, 6400 gram (31360 mN, 62720 mN)
Measurement Accuracy:	± 0.2% of Pendulum Capacity	± 0.2% of Pendulum Capacity
Pendulum Type:	Solid (Medium to High Capacity)	Solid (Medium to High Capacity)
Sample Grip Style: (Two Grips Included; one on Tester Base, one on Pendulum)	Pneumatic	Pneumatic
Integral Sample Cutting Knife:	Included	Included
Console Interface:	Keypad, LCD 4-Line Display	Overlay with Clamp and Test Buttons
Output:	USB & (2) RS-232 Serial Ports	USB & (2) RS-232 Serial Ports
Software (Optional or Required)	Model DX-8300, for full Instrumented Operation (Optional)	Model DX-8300 for full Software-Driven Operation (Required)
Power Requirements:	115 VAC or 230 VAC	115 VAC or 230 VAC
Operating Voltage:	12 VDC	12 VDC
Air Requirements:	415 kPa (60 psig) Clean, Filtered	415 kPa (60 psig) Clean, Filtered
Dimensions (W x D x H) (Instrument Only, Assembled)	49 x 46 x 46 cm (19 x 18 x 18 inch)	49 x 46 x 46 cm (19 x 18 x 18 inch)
Dimensions (W x D x H) (Shipping)	58 x 50 x 46 cm (23 x 20 x 18 inch)	58 x 50 x 46 cm (23 x 20 x 18 inch)
Weight (Instrument Only):	19 kg (42 lb)	19 kg (38 lb)
Weight (Shipping):	22 kg (49 lb)	22 kg (45 lb)

Options and Accessories



Hand Cutting Template



Steel Rule Die for DT-520 Press



Pendulum Calibration Weights



Interchangeable Pendulum Weights

Ordering Information



Distributed by:
Plastics Touchpoint Group, Inc.
152 Rimmington Drive
Thornhill, Ontario, Canada, L4J 6K1
Tel: 416-788-9742
Email: info@plasticstouchpoint.com
Website: www.plasticstouchpoint.com

BRO DE1600-0122C
Manufactured by:
Oakland Instrument Corp.
5220 12th Avenue East
Shakopee, Minnesota 55379 USA

Website: www.oaklandinstruments.com