

Series DX-8300 Electronic Dart Drop Impact Testers

Full-Featured Dart Drop Impact Testers for Film and Sheet

Oakland Instrument offers the Series DX-8300, a simple to use stand-alone, instrumented tester or software-driven test system, for measuring impact resistance of film, sheet, and laminated materials.

Improved Film and Sheet Quality, Increased Profit Margins

The Series 8300 Dart Impact Tester is a proven tool for more closely controlling nominal and peak strength 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

The Oakland Advantage

Meets ASTM

Meets specifications of ASTM D1709 Methods A & B Standard Test Method for Free Falling Dart Impact Testing of Plastic Film.

Advanced Technical Features in Each Model

Full Electronic Operation

Provides Advanced Safety Features plus Software and PC Connectivity.

Industry-Leading Software

Automate your Tester with Oakland's DX-8300 Dart Drop Software; allows Pass-Fail testing plus Staircase testing to automate ASTM D1709 testing requirements.

Easy Pneumatic-assisted Operation

Operates with pneumatic-assist for dart release and film/sheet sample clamping. Pneumatic-assisted clamping and dart release is useful for higher clamping forces without the requirement for large, inefficient electromagnetic releases.

Expandable; Flexible Operation for Method A & B Testing

Portable and expandable with models for Method A testing, or Method A & B combination testing. Extensions and custom dart stems & weights available for testing to your in-house developed requirements.

Affordable

Best of all, the series 8300 is economically priced. Comes complete with everything needed to run tests.



The Model DX-8385A Electronic Dart Impact Tester with Electronically-Controlled Pneumatic Sample Clamp and Pneumatic Dart Release Mechanism

Oakland Instrument Corp.

Oakland Instrument Corp. specializes in the design, manufacture and distribution of test, measurement and control systems for the plastics, 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 knowledge and engineering depth allow us to offer both standard and custom systems based on industry-leading technology.

Specifications

	<u>Model DX-8385A</u>	<u>Model DX-8385-AB</u>
Mode of operation:	Off-line testing / lab use	Off-line testing / lab use
Materials:	All sheet materials	All sheet materials
Test Method Drop Height:	Method A 26 inch (66 cm)	Method A & B 26 inch (66 cm) and 60 inch (152 cm)
Actuation: Method:	Electronic	Electronic
Dart Release Mechanism:	Pneumatic	Pneumatic
Sample Clamp Mechanism:	Pneumatic	Pneumatic
Dart Sets Included:	Method A: (412 gram) (2) 120 gr. (1) 60 gr. (1) 30 gr. (2) 15 gr. (2) 5 gr.	Method A: Method B: (412 gram) (1310 gram) (2) 120 gr. (2) 320 gr. (1) 60 gr. (1) 160 gr. (1) 30 gr. (1) 80 gr. (2) 15 gr. (2) 40 gr. (2) 5 gr. (2) 15 gr.
Optional Weights: ASTM D1709 Suggested:	Method A: (8) 60 gr. (8) 30 gr. (8) 15 gr. (2) 5 gr.	Method A: Method B: (8) 60 gr. (8) 90 gr. (8) 30 gr. (8) 45 gr. (8) 15 gr. (2) 15 gr. (5) 5 gr.
Dart Head Material Provided:	Phenolic	Phenolic (Method A) Stainless (Method B)
Optional Dart Head Materials:	Aluminum Stainless Steel	Aluminum
Accessories:	Model DX-8300 Dart Drop Software Model DX-8300 Pass/Fail Interface System, Top Mounted Pass/Fail Push-buttons Electronic Footswitch Actuator Option for Sample Clamp Electronic Footswitch Actuator Option for Dart Release	
Options:	Optional Two-Button, Safety Actuated, Electronic Sample Clamp, Side Mounted Optional Side Mounted Pass/Fail Push-buttons with Pass/Fail Interface System	
Air Requirements:	60 psi Dry & Filtered	60 psi Dry & Filtered
Power Requirements:	115 VAC or 230 VAC	115 VAC or 230 VAC
Overall Height:	48 inch	80 inch
Weight:	55 lb	65 lb

(Due to continuous product improvement, all specifications are subject to change without notice.)

Ordering Information

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