

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 additive 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

Conforms to ASTM and ISO Standards

Conforms to specifications of ASTM D1709 Methods A & B Standard Test Method for Free Falling Dart Impact Testing of Plastic Film and ISO-7765-1 Plastics film and sheeting – Determination of impact resistance by the free-falling dart method – Part 1 – Staircase method.

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 and ISO-7765-1 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.



Model DX-8385A Electronic Dart Impact Tester with Electronically-Controlled Pneumatically-Assisted 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, 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 knowledge and engineering depth allow us to offer both standard and custom systems based on industry leading technology.

Specifications

Mode of operation:

Model DX-8385-A

Off-line testing /
lab use

Model DX-8385-AB

Off-line testing /
lab use

Materials:

All sheet materials

All sheet materials

Test Method Drop

Method A

Method A & B

Height:

66 cm (26 inch)

66 cm (26 inch) and 152 cm (60 inch)

Actuation:

Electronic

Electronic

Method:

Dart Release

Pneumatic

Pneumatic

Mechanism:

Sample Clamp

Pneumatic

Pneumatic

Mechanism:

Dart Sets

Method A:

Method A: Method B:

Included:

(412 gram)

(412 gram) (1310 gram)

(2) 120 gr.

(2) 120 gr. (2) 320 gr.

(1) 60 gr.

(1) 60 gr. (1) 160 gr.

(1) 30 gr.

(1) 30 gr. (1) 80 gr.

(2) 15 gr.

(2) 15 gr. (2) 40 gr.

(2) 5 gr.

(2) 5 gr. (2) 15 gr.

Optional Weights:

Method A:

Method A: Method B:

ASTM D1709

(8) 60 gr.

(8) 60 gr. (8) 90 gr.

Suggested

(8) 30 gr.

(8) 30 gr. (8) 45 gr.

(8) 15 gr.

(8) 15 gr. (2) 15 gr.

(5) 5 gr.

(5) 5 gr.

Provided:

Optional Dart

Aluminum

Aluminum

Head Materials:

Stainless Steel

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:

415 kPa (60 psi)

415 kPa (60 psi)

Dry & Filtered

Dry & Filtered

Power Requirements:

115 VAC or 230 VAC

115 VAC or 230 VAC

Overall Height:

122 cm (48 inches)

203 cm (80 inches)

Weight:

25 kg (55 lb)

30 kg (65 lb)

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

Ordering Information



Distributed by:

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