

Model DX-8485-A Total Energy Dart Drop Tester

High-Performance Dart Drop Impact Tester With Total Energy Capability for Plastic Films and Sheets

Oakland Instrument introduces its DX-8485-A Total Energy Dart Drop Tester

Designed with a number of innovative capabilities available to blown film extruders and flexible packaging manufacturers for the first time. This instrument enables them to:

- accomplish pass/fail, staircase and total energy dart drop tests with a single test instrument;
- measure dart weight information with our DX-8300 Dart Drop Software package, dramatically increasing test accuracy and speed; and
- make process improvements aided by graphical information displaying dart impact strength alongside pass/caution/fail test conditions.

By automatically measuring and recording dart weight, the DX-8485-A eliminates the need for manual measurement and/or weighing of darts and data entry – reducing errors and speeding up the testing process for both total energy calculations and staircase dart drop computations.

A velocity meter integrated to measure dart speed gives operators the option of performing total energy testing in addition to traditional pass/fail or staircase dart drop tests. The total energy test provides an actual impact resistance value with a single dart drop – compared to 5 - 10 drops for the pass/fail test or up to 25 drops for the staircase test.



The Model DX-8485-A Total Energy Dart Drop Tester with Integrated Load Cell. Standard load cell size is 11.4 kg (25 lb). Sample screen for DX-8300 software shown at lower right.

Oakland Instrument Corp.

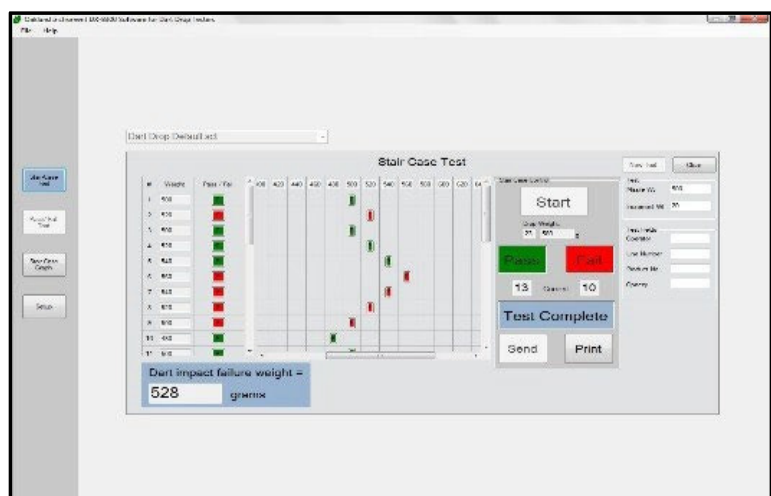
Specializes in the design, manufacture and distribution of test and measurement systems for the plastics, packaging, film, sheet and paper industries.

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

Model DX-8485-A

Mode of operation:	Off-line testing / lab use Pass/fail dart drop testing Staircase dart drop testing Total energy impact testing
Materials:	Plastic Films
Test Method:	Method A
Drop Height:	26 inch (66 cm)
Actuation Method:	Electronic
Dart Release Mechanism:	Pneumatic
Sample Clamp Mechanism:	Pneumatic
Dart Capture Mechanism:	Pivoting Bucket with Lever
Dart Set Included for ASTM D-1709 Dart Drop Test:	Method A with Phenolic Dart Head: (412 g) (2) 120 g (1) 60 g (1) 30 g (2) 15 g
Dart Set Included for ASTM D-4272 Total Energy Test:	Method A with Integral Aluminum Dart Heads: 0.5 lb (227 g) 1.0 lb (454 g) 1.5 lb (681 g) 2.0 lb (908 g) 2.5 lb (1,135 g)
Accessories:	1000 gram Velocity Calibration Dart 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:	90 psi, dry & filtered
Power Requirements:	115 VAC or 230 VAC
Overall Dimensions:	Height 84 inch, Weight 72 lb

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

Ordering Information

BRODX8485-0923

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