

a measurable difference...



Falling Dart Impact Tester

Model: F0008

The Falling Dart Impact Tester covers the determination of the energy that causes Polyethylene Film to fail under specified conditions, with the impact of a free-falling dart. This energy is expressed in terms of weight (mass) of the dart falling from a specified height, which would result in 50% failure of specimens tested.

The unit employs a dart, with a 38mm diameter hemispherical head, dropped from a height of 660mm. This unit may be used for films whose impact resistance requires masses of approximately 50gms to 2 kg to fracture them.

Applications:

- Flexible films

Features:

- Test Method A: Standard
- Bench-mounted system
- Pneumatic clamping for films
- Brass weighted
- Two Aluminium darts
- Adjustable dart drop height
- Foot Switch for dart release
- Weights supplied: 2x5g, 8x15g, 8x30g, 8x60g

Options:

- **Test Method B:** Dart Head - 50mm +/- 0.8mm
Drop Height - 1.50m +/- 0.03m
Weights supplied - 2x15g, 8x45g, 8x90g
- ASTM D4272: Total Energy Impact of Plastic Films.
The Falling Dart Impact Kinetic energy option, is where the existing F0008 unit is mounted on top of the Kinetic energy option, where there is a catch box and two switches measuring the fall time difference which is displayed on a instrument panel as time.
- Kinetic Energy Option

Standards:

- ASTM D 1709
- AS/NZS 4347.6
- ISO 7765-1



Connections:

- **Air Supply:** 60 psi
- **Electrical:** 220/240 VAC @ 50 HZ or 110 VAC @ 60 HZ
(please specify when ordering)

Dimensions:

- **H:** 1,140mm
- **W:** 440mm
- **D:** 500mm
- **Weight:** 30kg

10-11 Colorado Court, Hallam, Victoria 3803 Australia.

Phone: +61 3 9708 6885

Fax: +61 3 9708 6770

Website: www.idminstruments.com.au

Email: idm@idminstruments.com.au

All sizes and dimensions shown on this data sheet are averages only and images are as accurate as the medium allows. Products and details shown may change without notice as IDM Instruments reserves the right to make alterations to its product range from time to time.

Copyright © 2006 IDM Instruments Pty Ltd. All Rights Reserved.