

Falling Dart Impact Tester

Model : HT-FD

HT-FD is ideal for Testing Impact Resistance of thin Flexible Materials as per ASTM D-1709 Method A & Method B.

Method A : Single dart drop of 660 mm. Drop weights from 1g up to 1460g the sample is held down by a vacuum and clamping ring. One 20g and One 60g darts are supplied which are suitable for testing thin film (<250 Micron) of low impact strength. Both darts have a 38.10 mm (1.5") diameter hemispherical head. hi-FD Model A must be selected.

Method B : Dual dart drop of 660 mm & 1525mm. Drop weights from 1g up to 1210g the sample is held down by a Pneumatically operated Clamp. One 20g, One 60g and One 100g darts are supplied which are suitable for testing film (>250 Micron and up to 1mm). All the Darts have 50.80mm (2.0") diameter hemispherical head. hi-FD Model B must be selected.

Application

Determines the impact resistance of thin flexible materials like,

- Plastic films
- Plasticized papers
- Composite sheets

Features

- Floor mounted system
- Complies with international Standards
- Automatic Release of Dart
- Vacuum clamping (Model A only)
- Pneumatic clamping for stronger films (Model B only)
- Dual height option



Specification

Mounting	:	Floor Standing
International Standards Complied with	:	ASTM D 1709 Method A & B
Dart Head Diameters	Method A Method B	38.10 mm 50.80 mm
Weights Supplied ASTM 1709	Method A	1 g up to a total of 1460g (in dart weight) 1x1g, 2x2g, 1x5g, 1x10g, 1x15g, 1x20g, 1x40g, 2x50g, 2x100g, 1x200g, 2x550g
	Method B	2x15g, 8x45g, 8x90g up to 1210g (Including Dart Weight)
Dart Weights	Method A	1x20g, 1x60g
	Method B	1x20g, 1x60g, 1x100g
Dart Drop Heights	Method A	660 mm Single Height
	Method B	660 mm & 1525mm Dual Height Option
Electrical Supply	:	230V, 50 Hz

Pl. select Model A or Model B at the time for selection depending on the Film Thickness. Model A cannot be upgraded to Model B.