

TESTING INSTRUMENTS FOR A
MEASURABLE DIFFERENCE...

IDM
instruments

PRECISION DROP TESTER

MODEL: IDM-P0003-M1 & IDM-P0007-M1



INTRODUCTION

This tall instrument performs a vertical impact test on a complete, filled transport package by dropping. The test may be performed either as a single test to investigate the vertical impact or as a part of a sequence of tests designed to measure the ability of a package to withstand a distribution system that includes a vertical impact hazard. The unit has an open construction arrangement, which does not restrict the test sample geometry. The Drop Tester lifts the package in such a way so as not to cause damage to the operator or package.

FEATURES

- Adjustable minimum and maximum height for loading & dropping, via a chain hoist for positioning
- Large Steel base for test surface and mounting: 1m x 1.5m x 25mm
- A hand-held control and foot switch are provided
- Precise drop orientations
- Package width and height dimensions are not restricted
- Lifting apparatus: Electric Chain Hoist
- Drop Forks: 300mm D x 278mm W (For packages up to 550mm D. Anything above this would require a Top Support Fixture)

STANDARDS

- AS 2582.4
- ISO 2248 Method A
- ASTM D5276
- ISTA

CONNECTIONS

- Air Supply 80psi
- Electrical 415 VAC @
50/60Hz, 3 Phase

SPECIFICATIONS

| MODEL | IDM-P0003-M1 | IDM-P0007-M1 |
|---------------------|--|--------------|
| Max Drop Height | 2.5mm | |
| Lifting Capacity | 150kg | 75kg |
| Dimensions | H: 3450 x W: 1000 x D: 1500mm | |
| Weight | 580kg | 540kg |
| Options | <ul style="list-style-type: none"> • Corner Drop • Set of jigs (10 degree base & lid drop) for Pails • Custom made base plate • Extended arm to support large packages • Different fork lengths and Top Support Fixture | |
| Working Environment | <ul style="list-style-type: none"> • Operating Temperature -10°C to 55°C (no condensation or icing) • Operating Humidity 25% to 65% • Storage Temperature -25°C to 65°C (no condensation or icing) | |

APPLICATION

- Card board boxes
- Pails
- Bags
- Containers
- Crates

Bucket Drop



Corner Drop



WARRANTY AND CALIBRATION SERVICES

- **1 year Warranty**

Our Preventive Maintenance and Calibration (PM&C) program has been designed to make the maintenance and calibration of your valuable testing equipment more cost-effective by preventing breakdowns and downtime through regular calibration, service and replacement of defective parts. Talk to us about this today.