

TESTING INSTRUMENTS FOR
A MEASURABLE DIFFERENCE...

IDM
instruments

BOX OPENING PRESSURE TESTER

MODEL: IDM-B0013-M1



INTRODUCTION

The Box Opening Pressure Tester has been designed to measure the opening force of flat stacked carton boxes. The Box Opening Pressure Tester is used for the development and quality control of cartons during production, there for speeding up production set-up time.

This motorized test stand is a highly configurable single column force tester for tension and compression measurement applications up to 300 lbf (1.5kN). It has a rugged design suitable for laboratory and production environments. With generous travel, clearance and depth dimensions, a wide range of tests can be performed, including break testing, cycling, limit testing to a load or distance, load holding, elongation testing, tensile testing, compression testing and more.

Force and travel data can be output to a PC for graphing and analysis or fully control the stand by a PC through custom written program.

FEATURES

- Limit switches
- Simple controller interface
- Peak readings and set points always displayed
- Overload protection
- Auto return
- Speed settings
- Password protection
- Stepper motor driven
- USB output
- Configurable audio alarms and key tones
- Large backlit graphic display
- 1,000-point data memory with statistics and outputs
- Averaging mode
- 5 units of measurement
- Adjustable, removal controller with intuitive menu navigation



Control Panel

Engineered around a modular function platform, the run screen can be arranged with large, simple controls –including. View data in graphical format or results tables. Save or export data as needed.



Limit switches

Solid-state upper and lower limit switches may be used as test limits or as test exceptions. Dual-graduated rulers aid in switch placement.

OPTIONAL FEATURES

- **IDM-B0013-OP2** - Computer control (only if the option is purchased)
- **IDM-B0013-OP3** - Programmable travel limits
- **IDM-B0013-OP4** - Travel indication
- **IDM-B0013-OP5** - Graphing

SPECIFICATIONS

Test Stand

Test Stand	100 lbF (0.5 kN)
Maximum travel	18.0 in (457 mm)
Test Speed	0.02 - 45 in/min (0.5 - 1,100 mm/min)
Speed setting accuracy	±0.2% of setting
Travel accuracy	±0.002 in per 10 in (±0.05 mm per 250 mm)
Travel resolution	0.001 in / 0.02 mm
Limit switch repeatability	0.001 in (0.03 mm)

Force Load Cell

Range	5 kgF / 50N
Accuracy	±0.1% of full scale ±1 digit
Sampling Rate	5,000 Hz
Output	USB
Safe overload	150% of full scale (display shows "OVER" at 110% and above)

CONNECTIONS

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

DIMENSIONS

Instrument:

- H: 730 mm
- W: 420 mm
- D: 360 mm
- Weight: 26 kg

Packaged:

- H: 330 mm
- W: 540 mm
- D: 990 mm
- Weight: 31 kg

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 by regular calibration, service and replacement of defective parts. Take to us about this today.