

# Foam Compression Tester (PLC) Model: F0012

*a measurable difference...*

# IDM<sup>®</sup> instruments

The IDM Foam Compression Tester is used for determining the deflection force of flexible cellular polyurethane.

The ILD or IFD of flexible cellular polyurethane is a common test, as per ASTM, ISO, AS, BS international standards.

This machine performs two methods for determining the deflection force of flexible cellular polyurethane. Test A is the indentation force on deflection and Test B is the compression force on deflection. It is a PLC controlled machine that makes it very easy for the operator to use.

## Applications:

- Flexible cellular polyurethane
- Latex foam
- Rubber Foam
- Carpet underlay
- Foam components

## Features:

- Loading System – closed loop micro computer, which drives a ball screw and nut for its vertical movement
- Maximum Capacity: 0-2224N
- Travel (mm) approx.: 200mm x 0.1mm
- Speed (mm/min) 1 to 100 mm/min
- Return Speed (mm/min) 100mm/min
- Speed Accuracy better than +0.5%
- Load auto-zeroing
- Safety function for overloading provided
- Max. Stroke Limiter upper/lower – 2 points
- Compression platens area: 400mm x 400mm
- 322 ± 2cm<sup>2</sup> circular indenter foot (8" Ø)
- Test area of 500mm wide and not restricted at front and rear
- PC controlled



## Benefits:

- 5 pre-programmed testing procedures
- Bench top operation
- Printable reports
- Easy to use
- Fast results
- Accurate

## Options:

- TBA

## Standards:

- AS 2282.8
- AS 2281
- ASTM D3574
- ISO 3386: 1984
- GB 10807
- JIS K 6400

## Connections:

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

## Dimensions:

- **H:** 700mm
- **W:** 900mm
- **D:** 600mm
- **Weight:** 60kg