

# Foam Compression Tester

Model: F0012

*a measurable difference...*

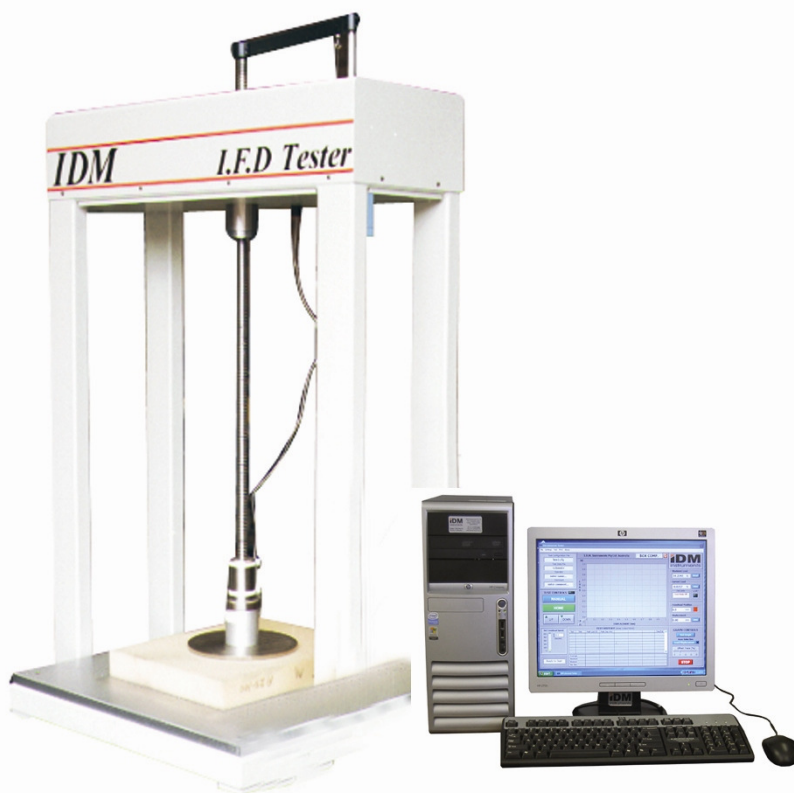
**IDM**<sup>®</sup>  
instruments

The Foam Compression Tester 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.

The Foam Compression Tester offers a variety of software features that allows programming of parameters, operational control and real-time display of the on-going test. This software package allows the operator to conduct a range of tests with an almost limitless array of test parameters and displayed test information when used with a compatible PC. The PC based control system uses the Universal Tester program developed by IDM Instruments Pty Ltd<sup>®</sup>.

The Test Configuration is prepared for each test sample type. This procedure is fully automated. The test scripts as well as the operating parameters are entered in the Configuration Panel to run a test. Values including the test type, sample piece, sample size, standard reference and many more values can all be entered and also saved to be retrieved at a later stage.

The Software Program for the Foam Compression Tester is automatic. Once the Test Configuration menu has been programmed, "Start" button is pressed, initiating the test. The results of the test are displayed on the PC in real time. They can then be saved and/or printed for later use.



## Applications:

- Flexible cellular polyurethane

# Foam Compression Tester

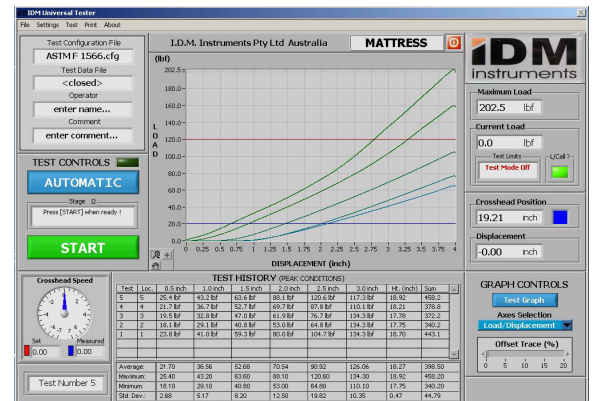
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## Software Features:

- Data Sampling is adjustable from 1-200,000Hz
- Position or Load control
- Test parameters displayed with graph simultaneously
- Real time graphic display of data
- Selectable graphical display presentation
- Data can be sent to Excel
- Out of range stop
- Auto return after a test is selected
- Calibration File to calibrate the instrument
- Statistical analysis
- Printable Reports
- Windows based software
- Overlay display of data curve possible during test
- ISO and ASTM Test Methods programmable
- Other test methods programmable by the operator
- Cyclic testing with data recording during cycle



Foam Compression Tester sample test screen

## Computer Hardware:

- The latest computer hardware and 17" Flat Screen Monitor

## Benefits:

- Easy to use
- Fast results
- Accurate

## Standards:

- AS 2282.8
- AS 2281
- ASTM D3574
- ISO 3386: 1984

## Connections:

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

## Dimensions:

- **H:** 1,000mm
- **W:** 900mm
- **D:** 600mm
- **Weight:** 95kg

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