



Compressibility Machine

Model 1620

The Model 1620 Compressibility Test Machine provides a complete workstation to evaluate the compressibility of friction materials at ambient and elevated temperatures up to 600°C.

The test stand is manufactured in compliance with U.S. and CE standards and features enhancements to conform with world wide testing requirements. Typical materials tested on this machine include: disc and drum brake linings, wet friction and transmission materials, noise insulators, and gaskets.

Ease of operation combined with accurate and reproducible measurements, make the Model 1620 an ideal instrument for quality control, product development research, or other compliance applications.

The Model 1620 Compressibility Test Machine is recognized throughout the world for standard compressibility testing. This unit provides excellent precision and repeatability whether you wish to measure deflection to 1 micron or have consistent measurements over thousands of samples. Although the primary function is compressibility testing, fixtures can be provided for thermal swell and thermal transport testing.



Features

- ✓ Stand alone desktop workstation
- ✓ Global acceptance and compatibility
- ✓ Accommodates full range of passenger and light truck pads
- ✓ Automated operation, data analysis, and reporting
- ✓ Microsoft® Windows® based software package that provides a familiar environment focused on ease of use
- ✓ Standard calibration fixture to assure measurement precision and repeatability

Options

- ✓ Choice of 60 kN or 94 kN maximum load range
- ✓ Thermal growth and swell test fixture
- ✓ Thermal transmission measurement apparatus
- ✓ Automated operation, data analysis, and reporting
- ✓ Support of multiple caliper applications

Disclaimer:

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Equipment pictured in this brochure may be shown with safety equipment removed or disabled for purposes of illustration. Equipment must never be operated with safety equipment removed or disabled.

For more information about the Model 1620 Compressibility Machine and how it can be configured to meet your test requirements, contact LINK at 734-453-0800 or sales@linkeng.com

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Link Engineering Company

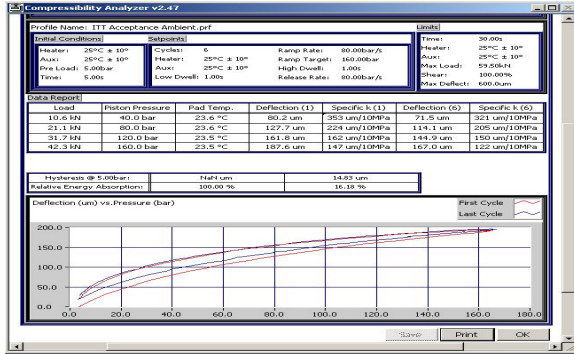
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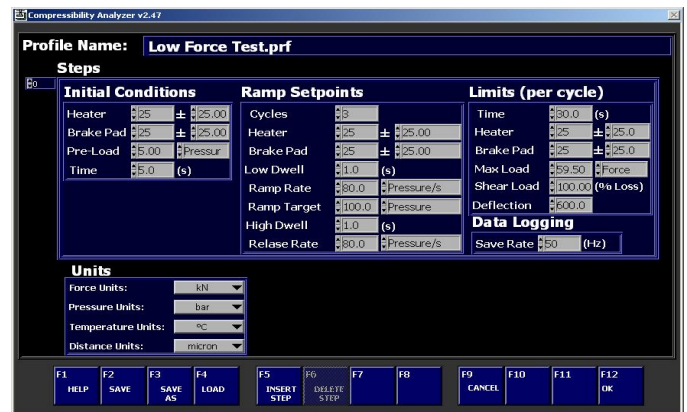


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Application specific software running under Microsoft® Windows® controls the operation of the tester, acquires all required data, and prepares standard or custom tests. A user-friendly facility is provided for entering test parameters and defining the test sequence. Whether one wishes to run SAE J2468, ISO 6310, or other procedures such tests can be easily preformed with the Model 1620.

To begin testing a sample is placed on the platen of the machine. The platen may remain at ambient temperature or be heated up to 600°C. An adapter serves to simulate the piston used in service. Upon initiation of the testing sequence, a specified force is applied to the sample at a defined rate. Sample deflection versus load is measured and plotted for the first and last compression cycles. Test results of the first and last cycles are summarized on one page containing tabular and graphical data.



Typical Specifications	
Control Modes	Force (kN); Pressure (Bar or mPa), Temperature
Cylinder Stroke Length	50mm
Deflection Resolution	+/- .05 µm
Load Capacity	60,000 N or 94,000 N
Maximum Load Error	0.5% (+/-)
Rate of Travel	0 to 25 kN/sec
Temperature Range	Ambient to 600° C
Temperature Resolution	+/- 1° C

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