NEXYGEN™ FM

Data Analysis and Applications Software for the LF *Plus* Universal Testing Systems

NEXYGEN FM software is an extremely easy to use materials testing software package designed to integrate directly with LLOYD INSTRUMENTS™ and CHATILLON® LF *Plus* testing machines.

The software is intuitive and allows the user to collect and analyse load and extension data from a common set of pre-configured test setups. It features seamless OLE2 integration with Microsoft® Word® and Excel®, enabling the user to create detailed and comprehensive reports using common and familiar packages. Developed with the user in mind, NEXYGEN FM software is ideal for even the most inexperienced operator, minimising training and allowing you to get up and running easily and quickly!

(a) NEXYGEN™ FM Start up Screen

Simplified Test Setup

- Test setup screens enable the user to specify and select attributes for a particular test, supported by a series of intelligent prompts, combo boxes, pull down menus and other help functions.
- By selecting either a tensile, compression or cycling test, the configurator screen (see screen c) automatically presents the user with configurable parameters relevant to that test only, thereby eliminating possible confusion. Having completed this simple procedure, the test can begin.
- If the same type of test is required for many samples, a 'template feature' can also be used to simplify the creation of new test files, thereby speeding up testing further.

(b) NEXYGEN™ FM Main Screen

Software control console

The console is situated on the test results screen and serves as an interface to the desired test instrument. The user can control the test machine operations remotely from the computer and collect and analyse measurement results.

Simplified Presentation of Results

- NEXYGEN FM presents results in a graphical and tabular format shown together on the same screen for easier viewing and analysis (see screen b).
- A double-click on any line in a batch of results will display the associated graph.
- Results can be colour coded for immediate Pass/Fail recognition.
- Graphical features: A graph can be specified with user defined or default axes, stress/strain curves and the modulus can be displayed. By overlaying one test with another, graphical comparisons can also be made.
- Notes can be added to the batch table to highlight specific points.
- The software supports mathematical calculations including common statistical operands
- An Auto-Save function ensures results are automatically saved after each test.

(c) NEXYGEN™ FM Configurator Screen

(d) NEXYGEN™ FM Configuration Screen

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Ordering Information

Order No.	Description
40/0738	NEXYGEN™FM Application Software, Version 4.2, Single License
40/0738/5	NEXYGEN™FM Application Software, Version 4.2, Five Seat License
40/0738/10	NEXYGEN™FM Application Software, Version 4.2, Ten Seat License

- NEXYGEN FM can be configured to automatically print reports using a Microsoft Word template as well as using Word to create reports and Excel to export data.

Upgrades for Advanced Testing
- For users wishing to undertake more specialised or customised testing, NEXYGEN FM can easily be upgraded to NEXYGEN MT and Ondio™ software.
- Sophisticated tests may still be performed using the simplified front end of NEXYGEN FM. All data is automatically saved and parameters cannot be changed by the operator.

Standard Batch Tests
- Pull to Break
- Pull to Limit
- Pull/Compress with Yields
- Compress to Rupture
- Compress to Limit
- Cycling
- A variety of Gauge Tests

System Requirements (Minimum)
- Pentium 2® Processor, 400MHz
- 128MB RAM
- CD Rom Drive
- 250MB Hard Disk Space
- 1 Free COM Port, with 16550 UART
- Monitor, with resolution 1024 x 768 or higher

Features

- For routine force measurement and general purpose materials testing applications
- Interfaces directly with LLOYD INSTRUMENTS LF*Plus* materials testing systems and CHATILLON TCD test frames
- For CHATILLON digital force gauge users, the software can also interface directly to the force gauge to provide expanded gauge functionality.
- Very easy to set up and operate
- Seamless OLE2 integration with common Microsoft® programs Word® and Excel®:

  - Produce automatic reports using Microsoft Word
  - Create Word templates allowing results and statistics to be automatically inserted

- Logical intuitive software with intelligent prompts and help menus ideal for the unskilled or inexperienced user
- Navigation is simple using familiar cut, copy & paste, 'drag & drop' techniques
- Template feature available for multiple tests saving on setup time
- Clear presentation of results in graphical and tabular formats
- Results colour coded for immediate Pass/Fail recognition
- Auto Save function
- Supports mathematical calculations including common statistical operands
  ie maximum, minimum, mean, median, coefficient of variance and standard deviation
- User selectable units for batch results and graphs can be converted at anytime.
- Post test analysis including post test modulus or static values, post test yield points
- Upgrade to NEXYGEN MT data analysis software or Ondio applications builder software - simplified front end of NEXYGEN FM can be used for operation by unskilled users
- Full traceability of results, specimens and test parameters
- Advanced data compression optimises accuracy and file size
- ISO 9001 TickIT accredited

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TEST AND CALIBRATION INSTRUMENTS