

NEXYGEN™ GAUGE

Data Analysis and Applications Software for CHATILLON® Force Gauges

NEXYGEN GAUGE software is an extremely easy to use force measurement software package designed to expand the functionality of CHATILLON® digital force gauges.

The software is intuitive and allows the user to collect and analyse load data including the peak load results from the gauge using a pre-configured test setup. 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 GAUGE software is ideal for even the most inexperienced operator, minimising training and allowing you to get up and running easily and quickly!

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 a tensile or compression test (including pull to break, pull to limit, compress to rupture and compress to limit), 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.

Software control console

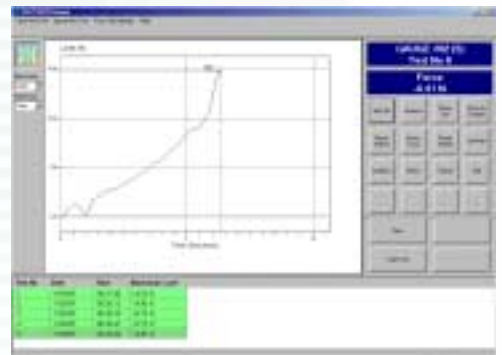
The console is situated on the test results screen and serves as an interface to the desired force gauge. The user can control the gauge operations remotely from the computer and collect and analyse measurement results.

Simplified Presentation of Results

- NEXYGEN GAUGE presents results in a graphical and tabular format shown together on the same screen for easier viewing (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 slope line can be displayed and the user can zoom in on the trend line. 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.



(a) NEXYGEN™ GAUGE Start up Screen



(b) NEXYGEN™ GAUGE Main Screen



(c) NEXYGEN™ GAUGE Configurator Screen



(d) NEXYGEN™ GAUGE Configuration Screen

SPECIFICATION
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www.ametek.com
www.lloyd-instruments.co.uk
www.chatillon.com
www.chatillon-scales.com
www.davenport-instruments.co.uk

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Ordering Information

Order No.	Description
40/0739	NEXYGEN™ Gauge Application Software, Version 4.2, Single License
40/0739/5	NEXYGEN™ Gauge Application Software, Version 4.2, Five Seat License
40/0739/10	NEXYGEN™ Gauge Application Software, Version 4.2, Ten Seat License

- An Auto-Save function ensures results are automatically saved after each test.
- NEXYGEN GAUGE 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

Types of Gauge Tests Available

- Pull to Break
- Pull to Limit
- Compress to Rupture
- Compress to Limit

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

- Provides 'force against time' data for routine force measurement applications
- Interfaces directly with a CHATILLON digital force gauge
- 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.
- 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

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Manufacturer