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Chatillon

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NEXYGEN™ DF Software for Chatillon® Series Digital Force & Torque Gauges

Specification Sheet
SS-FM-3603-0805
August 2005

NEXYGEN DF software expands the functionality of your CHATILLON Series digital force gauge. This all-new and easy-to-use Windows® based package interfaces directly to your digital force gauge. You may perform break tests, limits tests and torque tests. You can download peak load results from the gauge and display your results in tabular and graphical formats. Graphical results include markers denoting exact point positions. Results can be color coded for immediate pass/fail recognition. You can easily specify units of measure, fonts, titles, force measurement resolution. The software provides basic force measurement tensile and compression test formats including pull to break, pull to limit, compress to rupture and compress to limit. Results are presented in a spreadsheet format so you can analyze and manipulate data and perform common mathematical and statistical calculations.

The software is easy to setup and features intelligent prompts, menus, combo boxes and other methods to get you up and running quickly and efficiently with minimal training. Navigation is simple using "drag & drop" and cut, copy and paste techniques. Data is easily exported to WORD®, EXCEL®, ACCESS®, POWERPOINT® or OUTLOOK®.

Features

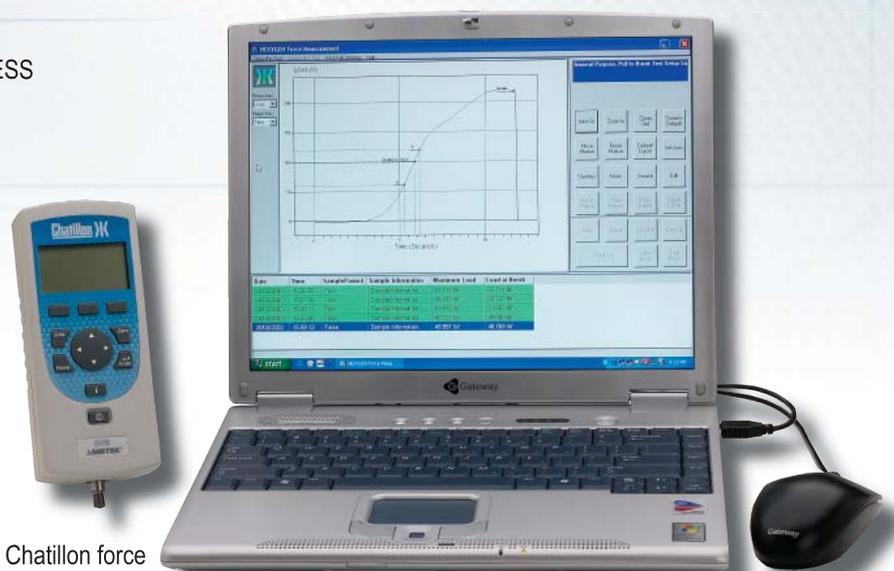
- Simple to Setup and Operate
- Interface Directly to your Chatillon Digital Gauge
- Seamless Integration with WORD, EXCEL, ACCESS
- Graphical and Tabular Results
- Pre and Post-Test Analysis
- Mathematical Calculations including Statistics
- Pass - Fail Function
- ISO TickIT Accreditation

Test Functions

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

Nexygen DF software may be used with the following Chatillon force gauges only.

- E-DFE Series
- DFS Series
- DFS-R Series
- DFS-R-SLC Series (load)
- DFS-R-STC Series (torque)
- DFIS Series
- DFT Series
- DFGS Series
- DFGS-R Series
- DFA Series
- DFA-R Series
- DTG Series



You Get More with Your CHATILLON Gauge.



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Ordering

Order No.	Description
NC002867	NEXYGEN DF Application Software, Version 1.0, Single License

Test Function Descriptions

Pull to Break

This test will deform a sample until the sample breaks. The force required to break the sample and the deformation at which the break occurred are measured. Users may enter sample dimensions to record stress and strain.

Pull to Limit

This test is similar to the Pull To Break test, however, it is typically used when you are not expecting the sample to break. Instead, the test will deform the sample a specified amount, either with a specified force or to a specified deflection point.

Compress to Rupture

This test will deform a sample until the sample breaks. The force required to break the sample and the deformation at which the break occurred are measured. Users may enter sample dimensions to record stress and strain.

Compress to Limit

This test is similar to the Compress To Rupture test, however, it is typically used when you are not expecting the sample to rupture. Instead, the test will deform the sample a specified amount, either with a specified force or to a specified deflection point.

Torque to Break

This test will measure the torque required to break a sample. The torque required to break the sample and the direction of applied torque are recorded.

Torque to Limit

This test allows the user to apply and measure torque to a specified limit. Direction of torque is recorded.

Minimum System Requirements

Pentium Processor, 166 MHz
16 MB RAM
35 MB Hard Disk Space
1 Free COM Port, with 16550 UART
CD ROM Drive (for Installation)

Users should be provided Administrative Rights on the personal computer where the software will be installed.

TEST AND CALIBRATION INSTRUMENTS

For the authorized Chatillon Distributor or Manufacturer's Representative near you, go to www.chatillon.com

Americas

AMETEK TCI Division
8600 Somerset Drive
Largo, Florida 33773
United States of America
Tel +1-727-536-7831
Tel +1-800-527-9999
Fax +1-727-539-6882
Email chatillon.fl-lar@ametek.com

France

AMETEK Lloyd Instruments SAS
3 avenue des Coudriers
Zone d'Activite de l'Observatoire
78180 Montigny-Le-Bretonneux
France
Tel +33-1-3057-4774
Fax +33-1-3057-5033
Email general@lloyd-instruments.com

Germany

AMETEK GmbH
Rudolf-Diesel-Strasse 16
D-40670 Meerbusch
Germany
Tel +49-0-2159-9136-70
Fax +49-0-2159-9136-80
Email apie@ametek.dr

Singapore

AMETEK Singapore Pvt. Ltd.
10 Ang Mo Kio Street 65
#05-12 Techpoint
Singapore 569059
Tel +65-484-2388
Fax +65-481-6588
Email aspl@ametek.com.sg

United Kingdom

AMETEK Lloyd Instruments Ltd.
Forum House, 12 Barnes Wallis Rd
Segensworth East
Fareham
Hampshire PO15 5TT
United Kingdom
Tel +44-0-1489-574221
Fax +44-0-1489-885118
Email uk-far.general@ametek.co.uk

Visit Us on the Worldwide Web at:
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ISO/IEC17025
Manufacturer