

Downloadable Force - Time (Displacement) / Torque - Time (Angle) Graphing Software Force Recorder Next Series

- Graph the relationship between force-time (displacement) & torque-time (angle)
- Precise graphing and data analysis reflecting up to 2000 data/second possible with high-speed USB communication
- Improve efficiency with measurement and analysis with assorted functions using graph overlay, test condition presets, annotation additions, and an easy-to-access smooth UI.
- Additional functions are available for download from the user support site to cater to your needs
- The basic Standard version and the Professional version with the Displacement / Angle data analysis function



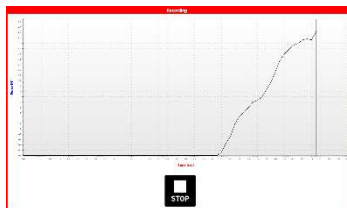
The software screen image
*The Force Recorder Next Professional version

*To use this product, user & product registration on **IMADA Connected** is required and please note that only Next Series products are available for the product registration. When downloading the software, please purchase the dedicated download card providing the redemption code. An Internet connection is required in this process.

IMADA Connected: <https://www.imada-connected.com/>

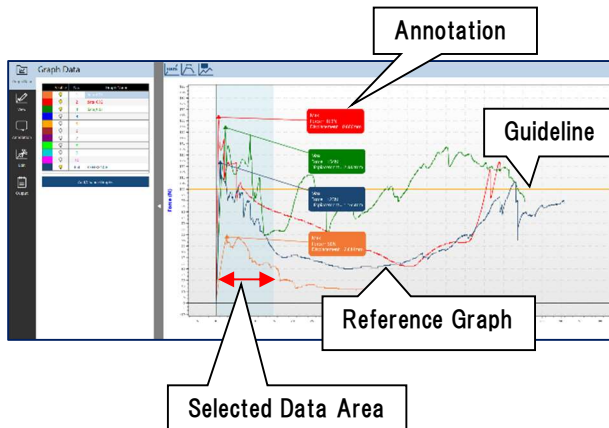
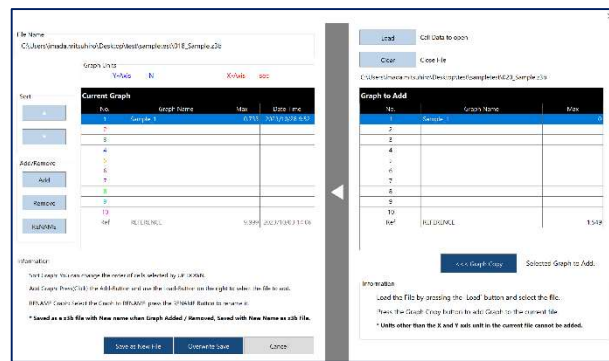
*To check if your product is Next Series or not, please click this link.: https://www.forcegauge.net/en/service/next_series

[Basic Functions]

Force - Time (Displacement) / Torque-Time (Angle) Graphing	
【Graphing Speed】 -Graph force-time (displacement) / torque-time (angle) values - max. 2000 data/second *1 -Adjustable Data Acquisition rate: Between 0.1 to 2000Hz	 Graphing Recording Window
【Manual/Automatic Recording】 -Manual recording Use the REC and STOP buttons -Automatic recording With a trigger function that starts and stops recording when specific conditions such as the force value and time are met	 Record Start Button / Status Display Trigger ON / OFF Button

*1 Displacement / Angle Data is only available with the Professional version.

The connected measurement devices automatically determine the type of the graphs (force or torque)

Graph Monitoring and Editing	
【Graph Overlay】 Max of 11 graphs are overlaid, including up to 10 measurement graphs and one graph of the model case reference. 【Assorted Graph Editing Functions】 Implemented Guidelines for pass/fail judgments, specific point labeling with annotations, graph scaling for adjusting the graph scale display, Selection Data Settings to define the analysis range, etc.	 Annotation Guideline Reference Graph Selected Data Area
【Adding Images / Comments】 Useful function to add images of test samples and comment insertion about the measurement environment descriptions. 【Graph Saving Function Variations】 A single graph or the overlaid multiple graphs are saved. The exchange of graph data between files enables the efficient analysis of measurement results.	 Graph Editing Window

*Some conditions listed have preset functions to allow settings before the measurement and to save them in the software.
Please refer to page 5 for details.

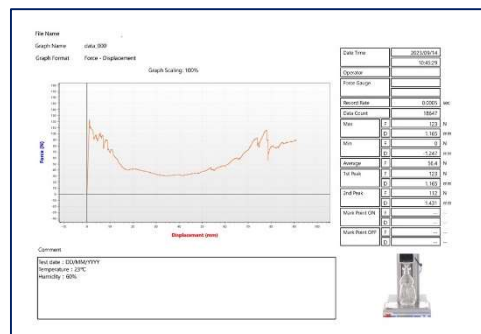
Data Output and Printing

【Output and Printing】

-Measurement results are saved as z3b files and CSV files.

-The Print Command allows the output of measurement data in a report format. Also, possible to save as PDF/Word, Excel, and images.

-Possible to save graphs in images and statistical values in text to the clipboard

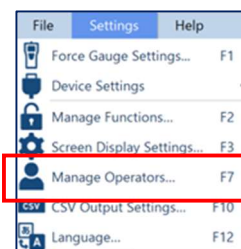


Print Preview Screen

Operator Management

【Operator Management】

-By registering operators, enabling access restrictions to some functions or logins for individual users is possible



【Special Order / Custom-Made Available】

We are able to offer consultations and assistance for custom-made software to cater to your needs.

	Software Function Comparisons			
Version	Force Recorder Next Standard	Force Recorder Next Professional	Force Recorder Standard	Force Recorder Professional
Features	Standard Download Version	Force-Time Torque-Time Download Version with Graphing function	Standard CD Version	Force-Time Torque-Time CD Version with Graphing function
Graphing	Force-Time Torque-Time	Force-Time Torque-Time Force-Displacement /Torque - Angle	Force-Time Torque-Time	Force-Time Torque-Time Force-Displacement /Torque - Angle
Max Data Transfer Speed	2000 data/sec	2000 data/sec	2000 data/sec	2000 data/sec
Max Recording Data Point	7.2 million	7.2 million	7.2 million	7.2 million
Displacement Output	N/A	✓	N/A	✓
Trigger Function	✓*	✓*	✓*	✓*
Graph Overlay Function	Max 10 + 1 Ref Graph	Max 10 + 1 Ref Graph	Max 5	Max 5
Guideline	✓	✓	✓ *Name: Border Line	✓ *Name: Border Line
Statistical Calculation	✓	✓	✓	✓
Graph Scaling	✓	✓	✓	✓
Selection Data Setting	✓	✓	✓ *Name: Area Select	✓ *Name: Area Select
Annotation	✓	✓	Comment only	Comment only
Graph Data Save/Edit	✓	✓	Save Single Graph only	Save Single Graph only
Save File/Print	✓	✓	✓	✓
Operator Management	✓	✓	N/A	N/A
Test Condition Preset	✓	✓	N/A	N/A
Additional Function Downloads	✓	✓	N/A	N/A

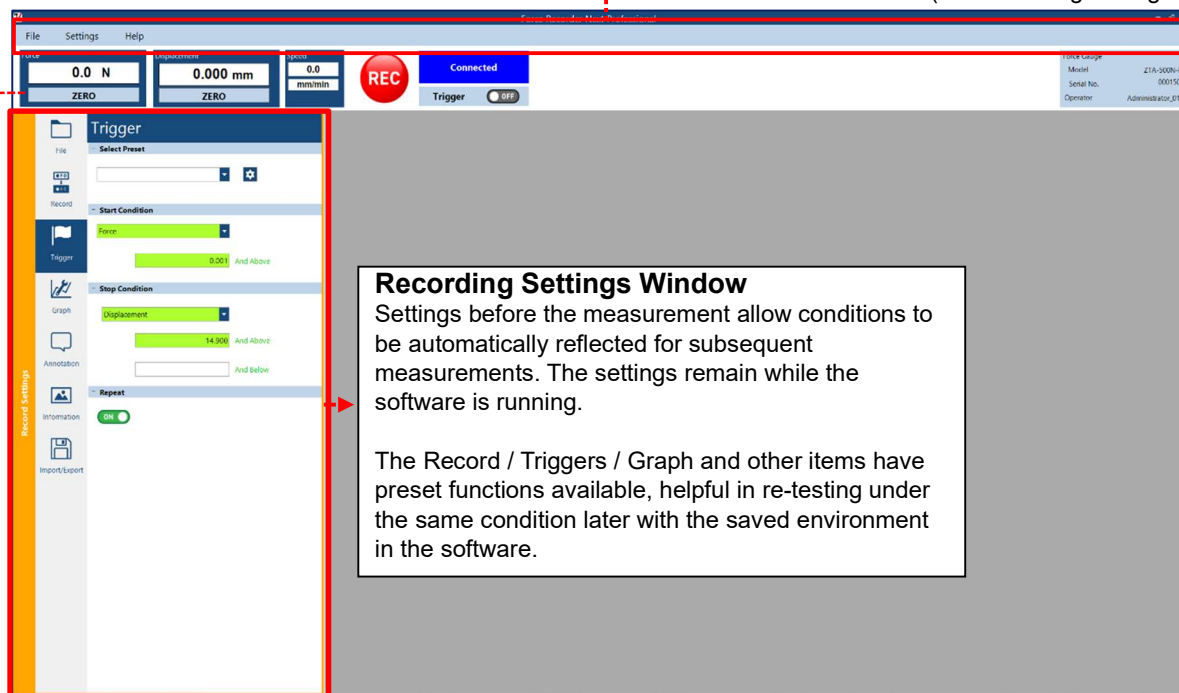
* When performing repetitive, automatic measurements using the Trigger function, an interval of approximately 3 seconds is required between the end of one recording and the start of the next recording to prevent loss of acquired data. The interval depends on the specification and settings of the PC.

[Screen Descriptions]

Main Tool Bar

Open and close files, configure device settings, set user preferences etc.

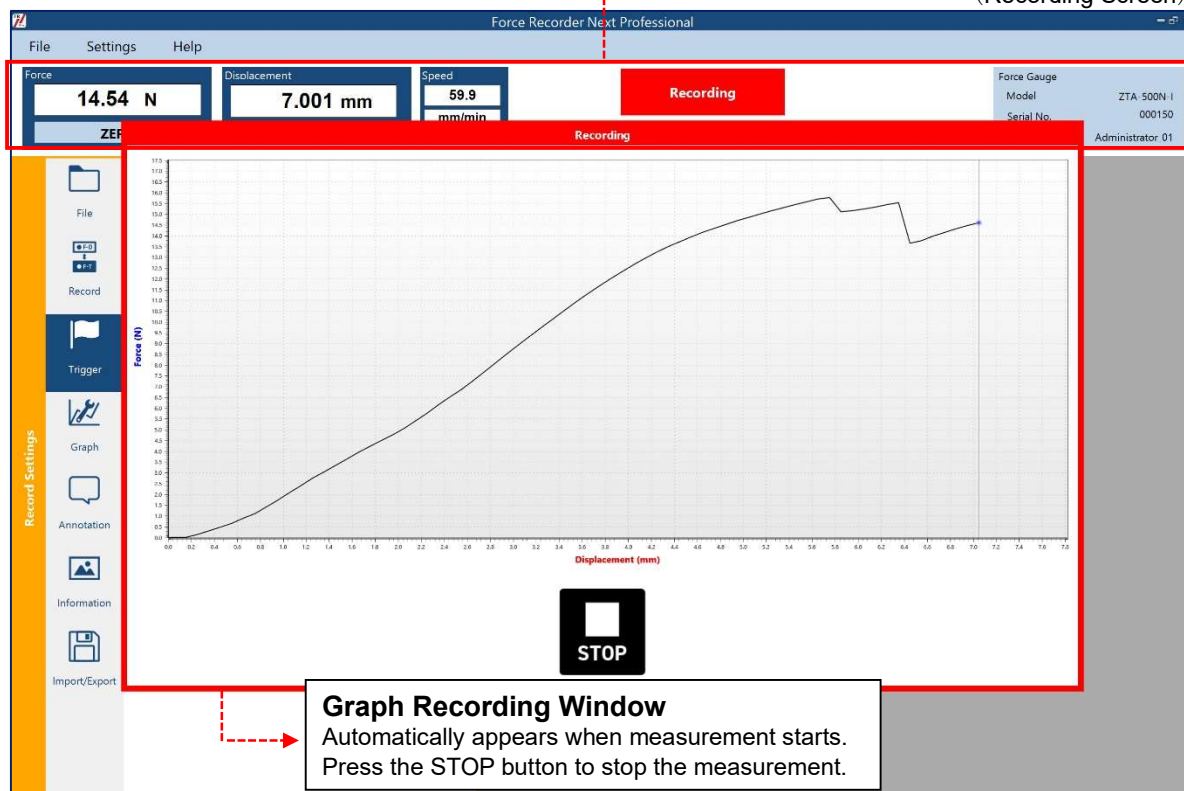
(Pre-recording settings)



Monitoring Area

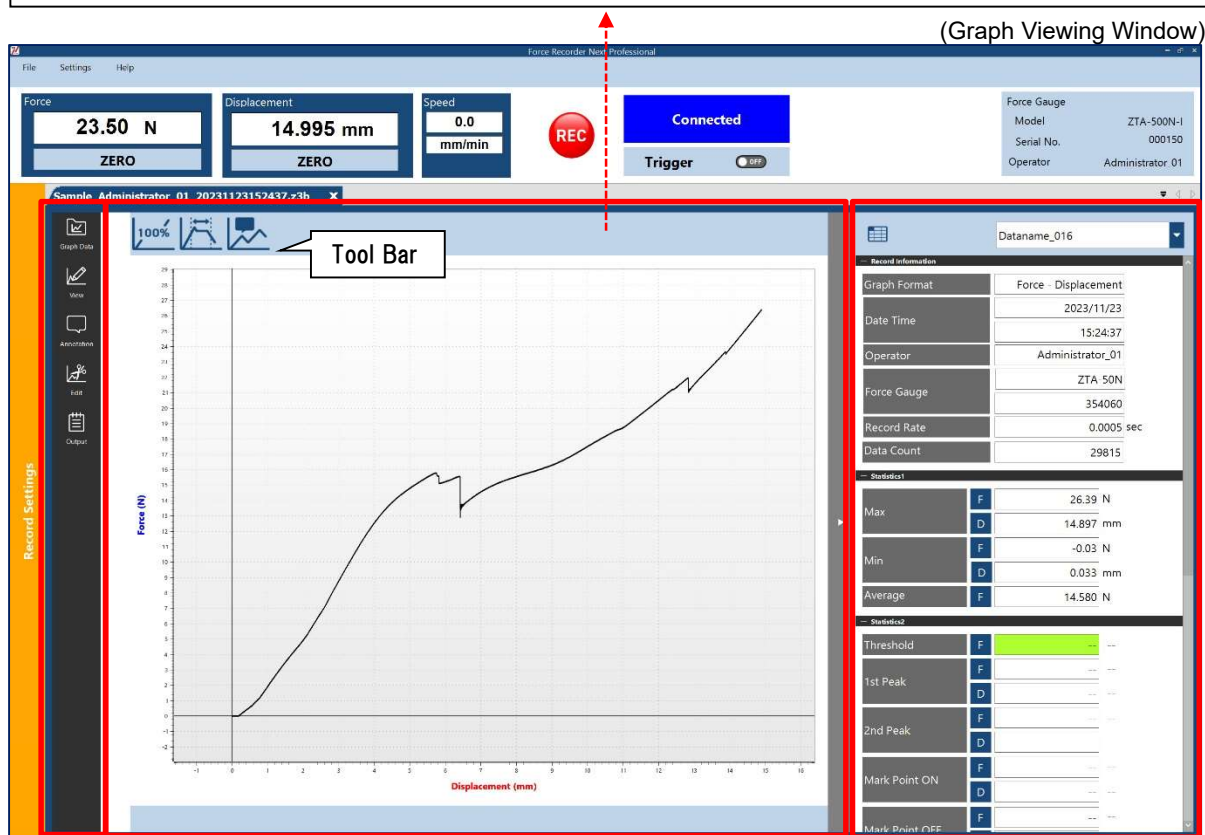
In addition to monitoring real-time results, possible to view information on the connected devices and start manual recording.

(Recording Screen)



Graph Area

The area where the recorded graphs and also the re-opened graphs from the files are displayed. Use the **Tool Bar** icons to Display Reset / Section Data Settings, and the manual insertions of the annotations, etc.



Monitoring Window



Feature examples:
Adding Graphs /
Insertion of Guidelines
and Annotations to the
Displayed Data /
Graph Inversion / Data
Save & Printing

The Monitoring
Window and the
Statistics Windows
open with a single click

Statistics Window

The following information of the currently viewed graphs are displayed:

Measurement Date/Time, Product Information,
Operator, Various statistical values (e.g., average /
1st/2nd Peak, etc)

When multiple graphs are displayed, the data from
the graph selected is reflected. When Selecting
Data is on, the statistical value will be the numerical
value within that interval.



*Press this Icon to check all the
statistical information on all graphs
within the graph area.

Specification	
Model	Force Recorder Next (Standard/Professional)
Operating Environment	OS: Windows 10/11
Hardware	CPU: Core i3 1GHz or higher recommended Memory: 8G or more recommended Hard Disk: 10GB (Data Storage Area) or more
Platform	.NET 7 or later
Image Size	Resolution 1920x1080 pixels or more

[Compatible Measuring Instruments]

Force-Time (Displacement) Graphing		
Digital Force Gauge ZTS/ZTA series	Sensor Interchangeable Amplifier eZT	Desk Tyle Load Cell Amplifier FA Plus2/eFA Plus2
		
Torque-Time (Angle) Graphing		
Handy-type Torque Gauge HTGS/HTGA series	Screw Cap Torque Tester DTXS/DTXA series	
		

Related Products	
Motorized Test Stand MX/MX2/MH/MH2/EMX Series	Optional Cable CB-528
The Motorized Test Stand with the switch operation function for the measurements	Connect with the ZT Series and the Motorized Test Stand to activate functions such as overload stop and force control.
	

[IMPORTANT NOTICE]

- Information in this document is subject to change without prior notice.
- This document is product descriptions and handling precautions, and do not guarantee various characteristics or safety.
- This product is designed for force measurement purpose only.
- Do not copy and use this content without authorization.
- A force gauge (sold separately) is required to use this product.
- This product is protected by Universal Copyright Convention and Japanese Copyright Act.
- Returns are not acceptable. Check the specification, working conditions and operating environment before purchase.

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