Force-Time Graphing Software for ZT series
Force Recorder (Light/Standard) USB

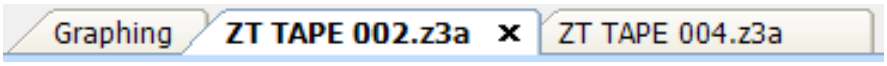
Easy-operation graphing software (Force vs Time).

USB high speed data transferring makes it possible to draw smooth graph (Max.2000Hz).

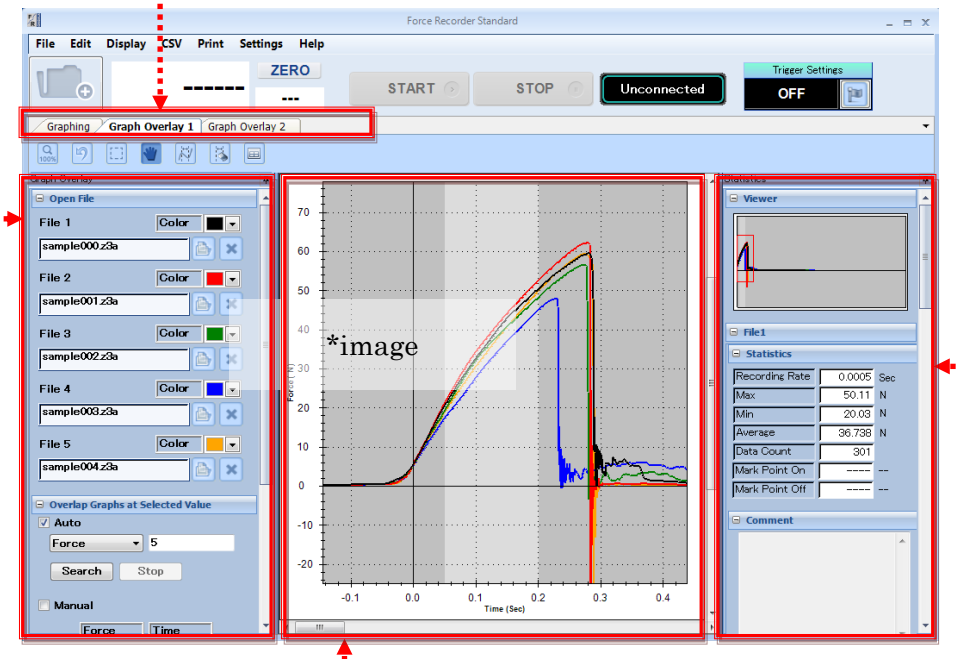
2 models are available; 1. Light; only graphing　2. Standard; with useful editing functions

Force-displacement graphing software; Professional version is also available.

[Basic functions/operation]
- You can open tabs to display recorded graphs.*



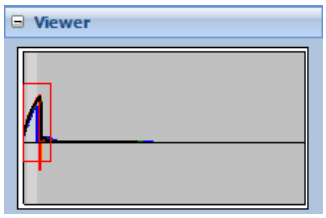
- 5 graphs can be displayed in one table.*
  Easy to compare and evaluate charts due to useful functions.*
  (*Valid only in Standard version)



*The image above is of Standard version.
Light version cannot overlay charts.

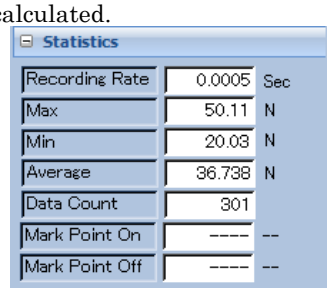
[Graph drawing]
- High speed data transferring (Max. 2000 data / sec).　It captures force more precisely, so that you can make smooth and accurate graph.
- Data recording speed is changeable.　You can record data continuously for 20000 hours in the case when you select the slowest speed.
- 7.2milion data point can be recorded at maximum.　(2000 data/sec: 1 hour recording, 1 data/10sec: 20000 hours)

[Graph viewer]
- You can check an enlarged location as well as a whole image.



(Common display of Light/Standard versions)

[Graph statistics]
- Maximum/minimum/average values are automatically calculated.



(Light version does not have "Mark point On/Off)

[Comment]
- You can input memo.

(Common display of Light/Standard versions)

[Main Functions]

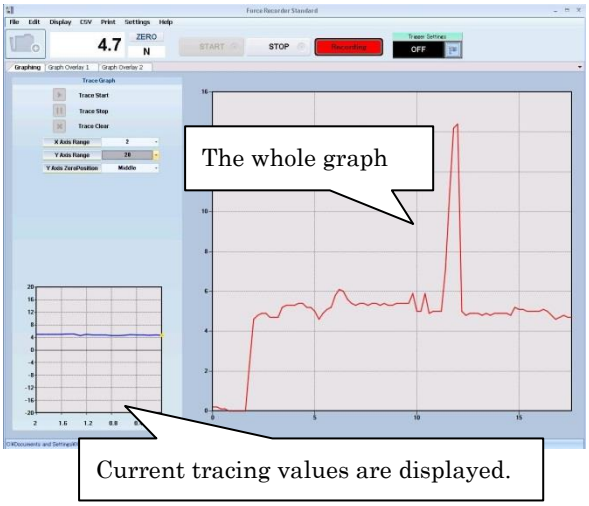
Force-Time Graphing

1. All it takes is click the buttons below to start or stop recording.

(Start/stop buttons)

2. Force transition is clearly visible since there are 2 monitors to show current trace and the whole graph.

(Graph drawing monitor)



3. It is possible to start/stop recording automatically when the measured value reaches set points. (Trigger function)*
e.g.) You can set operating condition like this:
It starts recording when the measured value reaches 1N, and stop after 10 sec.

* Valid only in Standard version.

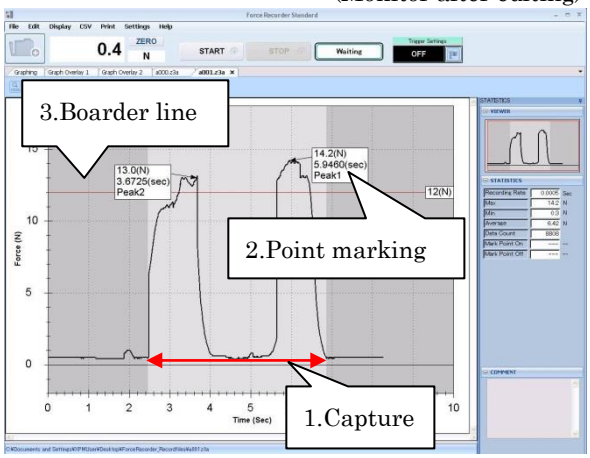
Editing Graph

1. You can capture selected area and save it. (Capture function)*

2. Put a marking at a specified point on a recorded graph, and write comments. (Point marking function)*

3. You can draw a line on a recorded graph at specified load value or time. (Border line function)*

(Monitor after editing)



*Valid only in Standard version.

Viewing Graph

1. You can zoom on/out, or scroll very easily, so that you can observe the measured value transition in details.
(Graph scaling function)

(Icons for viewing graph)

2. 5 graphs at maximum can be drawn in a table, which is useful for comparing and evaluating the graph data. (Graphs overlaying function)*

* Valid only in Standard version.

Print / Save

1. You can print graph, statistics including maximum / minimum / average values, and comment.

2. Selected area can be enlarged and printed.

3. Recorded graph data can be converted into CSV format. (Data amount is limited.) (CSV file converting function)

4. Image of print preview can be saved in PDF, Word, and Excel file. (Preview saving function)

[Main Functions Comparing]

Version	Light	Standard	Professional
Feature	Graphing only	With editing functions	Force-displacement graphing
Graph	Force-time	Force-time	Force-time Force- displacement
Data transferring speed (Max)	2000 data / sec	2000 data / sec	2000 data / sec
Recording data point (Max)	7.2 million	7.2 million	7.2 million
Displacement output	N/A	N/A	√
Graph overlaying function	N/A	√	√
Trigger function	N/A	√	√
Point marking	N/A	√	√
Border line function	N/A	√	√
Capture function	N/A	√	√
Graph scaling	√	√	√
Statistics output	√	√	√
Comment	√	√	√
Print	√	√	√
CSV file converting	√	√	√
Preview saving (PDF/Word/Excel)	√	√	√
Force gauge setting	√	√	√

* For further information of Professional version, please see its dedicated specifications.

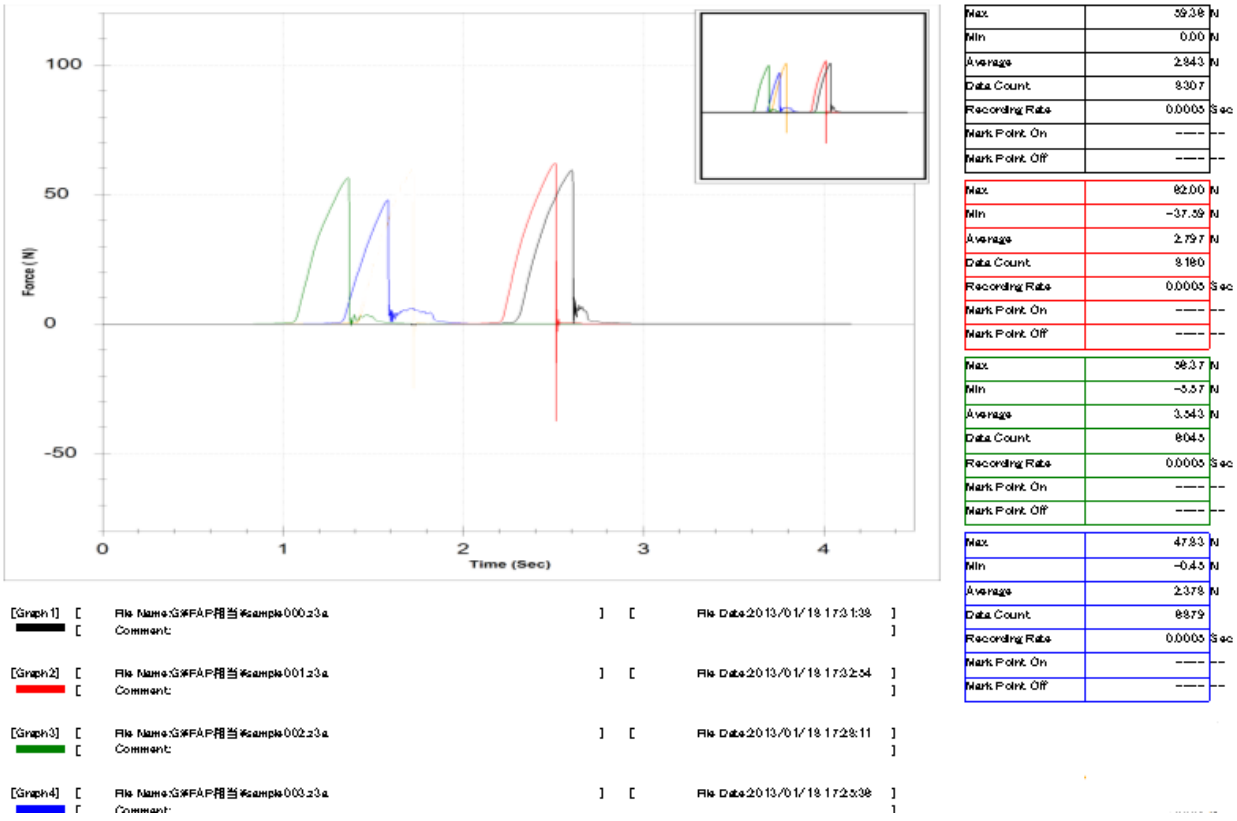
[Related Products]

Digital force gauge ZT series	Motorized test stand	Cable
High functionality/performance model available with Force Recorder.	Combining ZT series with a test stand, more precise measurement becomes possible since it provides consistent test speed and direction.	It connects ZTS/ZTA series force gauge with test stands to expand functionality such as control operation by load value.

[Operating Environment]

Operating Environment	
Model	Force Recorder (Light/Standard)
Operating Environment	OS: Windows XP/Vista/7(32bit/64bit)
Hardware	CPU: Pentium4 (1GHz more) more recommended Memory: 2GB more recommended Hard disk: 10GB(Data storage area) more
Plat form	.NET Framework4 later
Execute environment	Microsoft Internet Explorer6.0 later Windows Installer 3.1 later
Image size	Resolution 1024*768 pixel more
Force gauges that can be combined	Light: ZTA/ZTS series Standard: ZTA/ZTS series
Connection port	USB1.1, USB2.0 connector * We do not guarantee operation in USB 3.0.

[Print Preview]



* The image above is preview image of Standard version.

[Notice]

- The contents may be changed without previous notice.
- Do not copy and use this content without authority.

[Notes for Purchase]

- ZT series force gauges are needed to use this software. ZT series force gauges are NOT included.
- This product is protected by Japanese Copyright Act and Universal Copyright Convention. Do not copy and use this content without authority.
- Available functions are different between versions, so please make sure to see “Main Functions Comparing” of this specifications and the specifications of Force Recorder Professional to choose the most appropriate one for your testing demands.
- We do not accept any returns. Please make sure to check its working condition, operating environment and so on.

Please feel free to contact us for measurement solutions, distributor’s information in your country, and so on.
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