

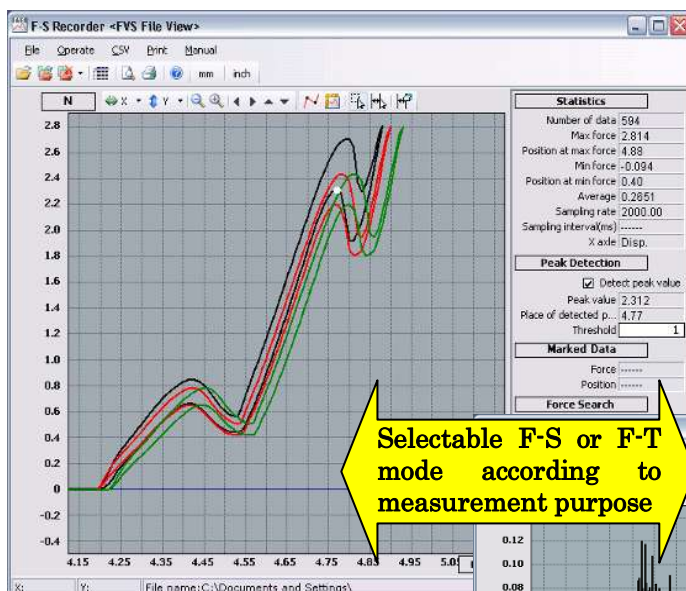
Force-Displacement analysis software

F-S Recorder-E

USB

Easy recording of Force-Displacement curve
Visual analysis is possible by displaying 5 graphs on screen
High sampling rate by USB connection enables smooth curve

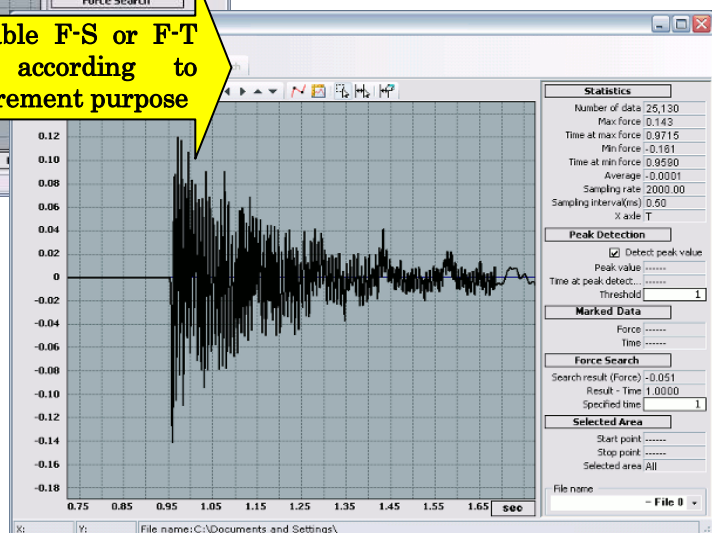
Software for FA Plus F-S Recorder-E



Force-Displacement(F-S) Curve (*1)

Up to 5 F-S curves can be shown on the same table for easy comparison of the results. (see LEFT)

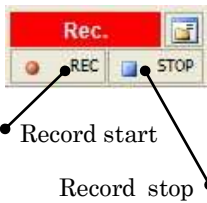
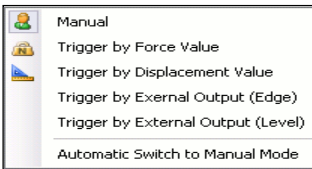
Selectable F-S or F-T mode according to measurement purpose




Force-Time(F-T) Curve

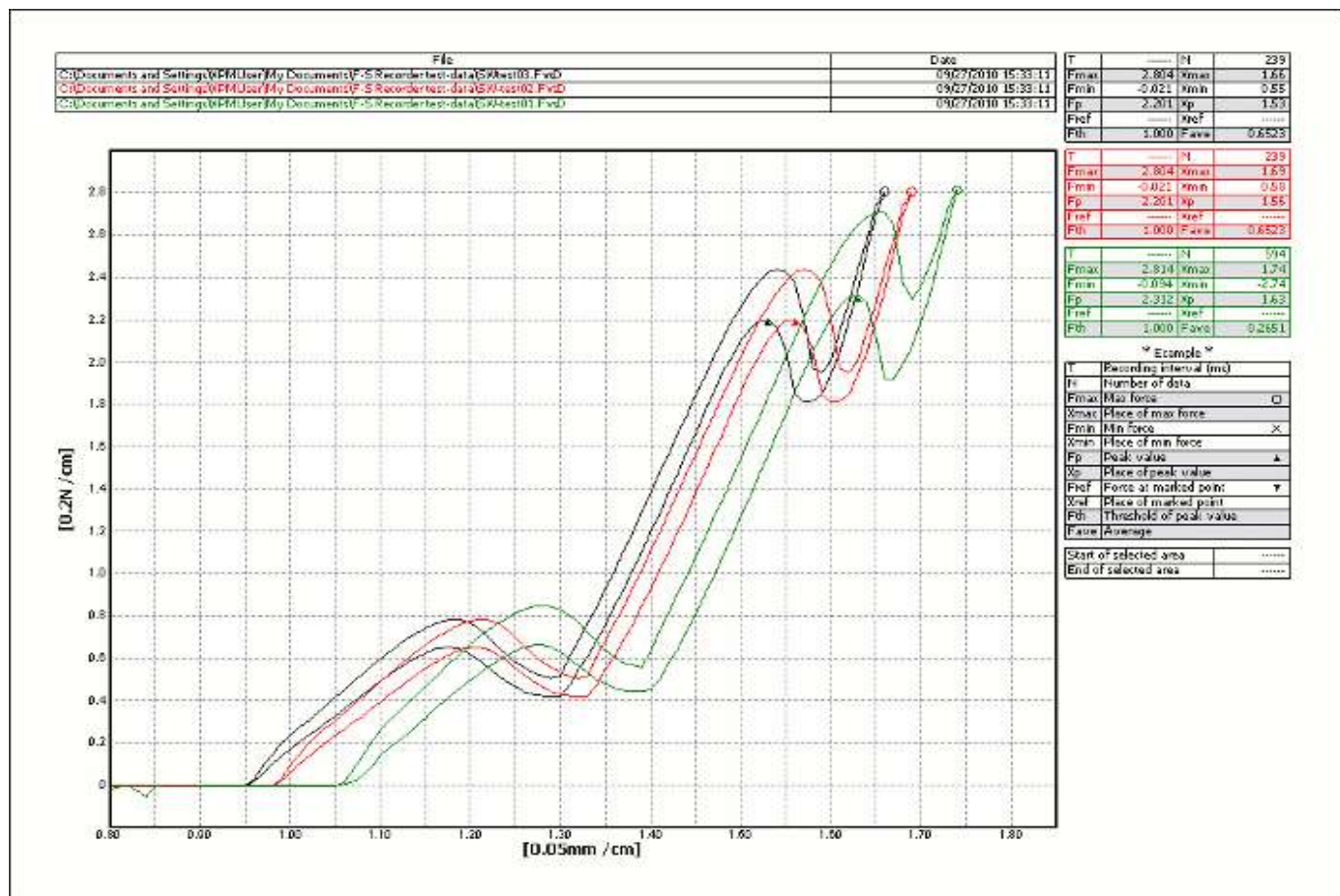
Fast sampling transfer, 2000 data/sec maximum, makes smooth and sensitive curve. (see RIGHT)

*1 To validate Force-Displacement(F-S) measurement, option code-FA is needed for motorized test stand.

Feature 1	Feature 2	Feature 3	Feature 4																				
<p>Easy operation</p> <p>Simple click operation of REC(Recording) and STOP to make a graph</p> 	<p>Automatic saving mode</p> <p>Measurement data is saved automatically, avoiding any loss of unsaved data.</p>	<p>Auto START and STOP by trigger function</p> <p>Possible to set up START and STOP point by specific force and displacement values for auto record.</p> 	<p>Statistic data</p> <p>The following statistic data can be taken</p> <table border="1" data-bbox="1141 436 1436 739"> <thead> <tr> <th colspan="2">Statistics</th> </tr> </thead> <tbody> <tr> <td>Number of data</td> <td>594</td> </tr> <tr> <td>Max force</td> <td>2.814</td> </tr> <tr> <td>Position at max force</td> <td>4.88</td> </tr> <tr> <td>Min force</td> <td>-0.094</td> </tr> <tr> <td>Position at min force</td> <td>0.40</td> </tr> <tr> <td>Average</td> <td>0.2651</td> </tr> <tr> <td>Sampling rate</td> <td>2000.00</td> </tr> <tr> <td>Sampling interval(ms)</td> <td>-----</td> </tr> <tr> <td>X axle</td> <td>Disp.</td> </tr> </tbody> </table>	Statistics		Number of data	594	Max force	2.814	Position at max force	4.88	Min force	-0.094	Position at min force	0.40	Average	0.2651	Sampling rate	2000.00	Sampling interval(ms)	-----	X axle	Disp.
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Specifications	
Product name	F-S Recorder
Operation system	Windows2000 SP3, XP SP2, Vista(32bit/64bit), 7(32bit/64bit) (*1) (*1) 64bit version is not available for 2000 and XP.
Working environment	Microsoft .NET Framework 2.0 Microsoft Internet Explorer 5.01 or later
Interface	USB port equipped PC
Connection port	USB1.1, 2.0 connector
Connection cable	USB A to B cable (FA Plus accessories)
Data transfer speed	Maximum 2000 data/sec
Resolution	Force : 4 digit with decimal point (Ex) 5N load cell→0.001N Displacement : 0.01mm Speed : 0.1mm/min
Data saving form	Graph : FVSD file (For Force-Displacement graph : FS Recorder original format) FVST file (For Force-Time graph : FS Recorder original format) Data conversion : CSV format(*) (Microsoft Excel compatible) (*)Number of input data is different according to Excel version.
Hardware	FA Plus 

[Printing layout]



* Force-Displacement graph of double peak switch. (3 measurement data is shown on table.)

[General caution]

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

[Caution for purchasing]

- FA Plus is necessary to use this software.
- To make Force-Displacement graph, option code-FA is necessary with motorized test stand.
- This software is included as an accessory when purchasing FS Master.
- This product is protected by Japan copyright law and international treaty. Do not use or copy part or all of the software and instructional manual without authority.
- Despite of sufficient use test and virus check of software program data of CD-ROM in the production line, we cannot ensure the appropriate operation or absence of virus of all the products. We are not responsible for any problem (direct/indirect, including damage of the third party) occurred by the use of software.
- Returns are not accepted. Please confirm use condition and operational condition before purchase.