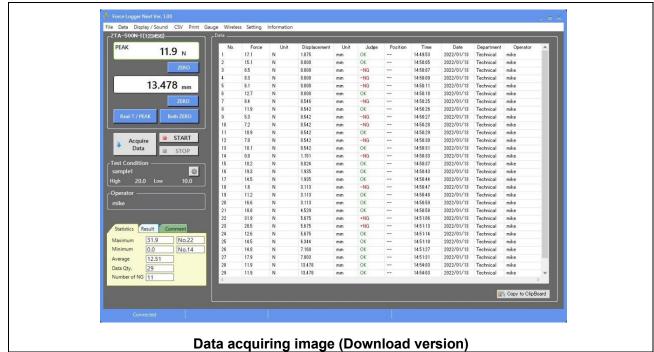


Data Acquisition Software Force Logger Series

-Acquires single and continuous data to show on the Data Table
-Easy to report the test results by print, copy to clipboard and CSV export functions
-Able to import/save internal memory data and manage settings of measuring devices
-Operation history tracking and password protection possible for security
(Download Version only)



*Please download the free software Force Logger Download Version (only applicable with firmware older than Ver.5 ZTS/ZTA, HTGS/HTGA, eZT series products) via https://www.imada-connected.com/.

Easy to get your desired data					
Selectable display items	Easy pass-fail judgement				
Select your desired data items to Vumber	Shows pass-fail result in different color	OK			
show on the Data Table and save.	for quick judgement. Moreover, buzzer sounds when the tested data is [NG]	OK			
Displacement Unit	by buzzer setting.	OK			
✓ Judge ✓ Position		-NG			
V Position V Time		-NG			
Date Operator		-NG			
*The selectable items may be different depending on	*The high/low setpoints setting of measurir	ng devices is			
the measuring devices model.	required for pass-fail judgement.				



Easy to manage test conditions and results						
Select/edit/add/save test conditions freely	Manage tested data easily					
The test conditions such as high/low setpoints for pass-fail judgement are selected, edited, added and saved freely. It is useful for multiple type samples testing.	The pass-fail percentage as well as the statistics including the Max, Min, and Ave. values are calculated and showed automatically. It helps you get the whole picture of the test results easily.					
Edit Test Conditions Image: Continuous capture is suspended while this window is opened. Ourrent Test Condition Neth Setpoint Low Setpoint */- Indicator No. High Setpoint (Low Setpoint(N) Force Indicator No. No. 1560 1 Button No.2 1000 1 Button No.2 1000	Statistics Result Comment Maximum 51.2 No.28 Minimum 35.3 No.38 Average 41.73 Data Qty. 38 Number of NG 15 *The statistics is results of force or torque values.					

Enhance testing efficiency						
Automatic data acquisition (Trigger setup)	Change/save device setting (Gauge setup)					
By trigger setup data acquisition starts automatically. It is useful when you want to start data acquisition at a certain force or displacement value.	Set/save the measurement devices' settings via software for easy management.					
Trigger Setup	Load Save					
Enable Item Value Trigger 1 Force 45.000	Program Menu Setup Menu High Low Setpoints High 400					
✓ Trigger2 Displacement ▼ 1.500	Low 300 4 digit signed integer					
*This function is only valid in Wired Mode. Old model measuring devices are not able to use it.	*This function is only valid in Wired Mode. Old model measuring devices are not able to use it.					

	Easy to report test results						
Expo	ort to CS	/				Print data	
Maximum Minimum Average Data Quar Number of No. 1 2 3 4 5 6 7 7 * This	16 Force Unit 43.1 N 40.6 N 43.8 N 49.1 N 50.8 N 42.9 N 37.3 N 37.3 N	No 28 No 41 Displaceme Unit 1 545 mm 1 543 mm 1 541 mm 1 549 mm 1 549 mm 1 556 mm	Judge OK OK OK '+NG OK '-NG	11112:48 11112:49 11112:50 11112:51 11112:53	Date 2018/8/1 2018/8/1 2018/8/1 2018/8/1 2018/8/1 2018/8/1 2018/8/1 2018/8/1 2018/8/1 2018/8/1	Image: Description Note Statistics*/ Image: Description of the text of the text of text o	



[Main display]

enus to set up and use t ftware.	he vario	ous fun	ctions o			•			data of se NG judge		ems suc	h 🔸
orce Logger Next Ver. 1.00												
Data Display / Sound CSV Print Ga		s Setting	Information									
A-500N-I(123456)	C Data											
PEAK 11.0	No.	Force	Unit	Displacement	Unit	Judge	Position	Time	Date	Department	Operator	^
11.9 N	1	17.1	N	1.875	mm	OK	1222	14:49:53	2022/01/13	Technical	mike	
	2	15.1	N	0.000	mm	OK	100	14:50:05	2022/01/13	Technical	mike	
ZERO	3	6.5	N	0.000	mm	-NG		14:50:07	2022/01/13	Technical	mike	
10.170	4	8.3	N	0.000	mm	-NG	3252	14:50:09	2022/01/13	Technical	mike	
13.478 mm	5	6.1	N	0.000	mm	-NG	100	14:50:11	2022/01/13	Technical	mike	
	6	12.7	N	0.000	mm	OK	(14:50:18	2022/01/13	Technical	mike	
ZERO	7	8.4	N	0.546	mm	-NG	122	14:50:25	2022/01/13	Technical	mike	
	8	11.9	N	0.542	mm	OK		14:50:26	2022/01/13	Technical	mike	
Real-T / PEAK Both ZERO	9	5.3	N	0.542	mm	-NG	1000	14:50:27	2022/01/13	Technical	mike	
	10	7.2	N	0.542	mm	-NG	100	14:50:28	2022/01/13	Technical	mike	
CTART	11	10.9	N	0.542	mm	OK	(14:50:29	2022/01/13	Technical	mike	
Acquire START	12	7.0	N	0.542	mm	-NG	200	14:50:30	2022/01/13	Technical	mike	
Data STOP	13	18.1	N	0.542	mm	OK	100	14:50:31	2022/01/13	Technical	mike	
	14	0.0	N	1.151	mm	-NG	(11)	14:50:33	2022/01/13	Technical	mike	
st Condition	15	10.2	N	0.024	mm	OK	1.000	14:50:37	2022/01/13	Technical	mike	
mple1 🔯	16	19.3	N	1.935	mm	OK	1775	14:50:43	2022/01/13	Technical	mike	
h 20.0 Low 10.0	17	14,5	Ν	1.935	mm	OK	122	14:50:44	2022/01/13	Technical	mike	
	18	1.6	N	3.113	mm	NG	100	14:50:47	2022/01/13	Technical	mike	
erator	19	11.2	N	3.113	mm	ΩK	0 00	14:50:48	2022/01/13	Technical	mike	
ike	20	16.6	N	3.113	mm	РК	1922	14:50:50	2022/01/13	Technical	mike	
. ر	21	18.8	N	4.529	mm	¢К	1000	14:50:58	2022/01/13	Technical	mike	
	22	31.9	N	5.675	mm	NG	(11)	14:51:06	2022/01/13	Technical	mike	
tatistics Result Comment	23	20.5	N	5.675	mm	NG	100	14:51:13	2022/01/13	Technical	mike	
	24	12.6	N	5.675	mm	ēκ		14:51:14	2022/01/13	Technical	mike	
ximum 31.9 No.22	25	14.5	N	6.344	mm	ΩK	222	14:51:18	2022/01/13	Technical	mike	
nimum 0.0 No.14	26	14.8	N	7.168	mm	рĸ	105	14:51:27	2022/01/13	Technical	mike	
erage 12.51	27	17.9	N	7.003	mm	<mark>●</mark> K		14:51:31	2022/01/13	Technical	mike	
ta Qty. 29	28	11.9	N	13.478	mm	●K		14:54:03	2022/01/13	Technical	mike	
mber of NG 11	29	11.9	N	13.478	mm	θK		14:54:03	2022/01/13	Technical	mike	, *
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Connected						÷					1	
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display	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	IL		play	dition/operator					-	board a in Da	
• •		,						.				
	and comments Display/edit the test condition and					and	Clipboa	ard				

*This main display is for wired mode which is different from wireless mode.

*1 It is only for download version.

to

IMADA CO.,LTD. Data Acquisition Software Force Logger Series



Operating Environment							
Model	Force Logger Next (Download Version)	Force Logger (CD Version)					
	· · · · · · · · · · · · · · · · · · ·	· · · ·					
Operating environment	OS: Windows 8.1/10	OS: Windows 7/8/8.1/10					
Hardware	CPU: 1GHz or higher Memory: 2GB or more						
	Hard disk: 10GB (data storage) or larger						
Platform	.NET Framework4.8 or later	.NET Framework4.6 or later					
Image size	Resolution 1024x768 pixel or more						

Main Functions				
Acquire/Open/Save data	Single and continuous data (real time testing data, internal memory data of devices, data files) can be acquired/opened/saved.			
Device setting	The setting of device can be changed/saved via software.			
Trigger function	Data can be recorded automatically by setting up the START/STOP value.			
Test condition	The test conditions such as high/low setpointscan be selected, edited, added and saved.			
Operator management	The operator can be selected, edited, added and saved.			
Statistical calculation	Max/min/average values are automatically calculated.			
Pass-fail judgement	Shows the pass-fail result of each recorded data clearly.			
Comment	Comments can be inserted to the recorded data.			
Print	Graph and statistics value can be printed out as report format.			
CSV file converting	Recorded data can be converted into CSV format.			
Operation history tracking	Operation history can be recorded by log settings.			
Password function	To avoid unnecessary login, user ID and password is required when login.			

Applicable functions comparison chart					
Version/mode	Download version	CD version			
Acquire single data	\checkmark	\checkmark			
Acquire continuous data (Data transfer speed)	(Max. 10 data/sec for wired mode, fixed 4 data/sec for wireless mode)	$\sqrt{(\text{Max. 10 data/sec for wired mode,}}$ fixed 4 data/sec for wireless mode)			
Import / Delete internal memory data	$\sqrt{(wireless mode N/A)}$	(wireless mode N/A)			
Device setting	(wireless mode N/A)	(wireless mode N/A)			
Trigger function	(wireless mode N/A)	(wireless mode N/A)			
Manage test condition	(wireless mode N/A)	N/A			
Manage Operator	\checkmark	N/A			
Statistical calculation	\checkmark	\checkmark			
Pass-fail judgement	\checkmark	\checkmark			
Comment	\checkmark	\checkmark			
Print	\checkmark	\checkmark			
CSV file converting		√			
Operation history tracking	\checkmark	N/A			
Password function	\checkmark	N/A			

*Some functions are not applicable for wireless mode. Please refer to the chart for details.



Compatible Measuring Devices					
Digital Force Gauge	Digital Force Gauge	Desk Type Load Cell Amplifier			
ZTS/ZTA series	DST/DSV series	FA Plus2/eFA Plus2			
Handheld Type Torque Gauge	Screw Cap Torque Tester	Sensor Interchangeable Amplifier			
HTGS/HTGA series	DTXS/DTXA series	eZT			

*Old models DS2/ZP/Z2/HTG2/DTX2 series are also compatible by using RS-232C communication. Some functions such as force gauge settings and memory data export are not able to use. Moreover, sold separately RS-232C cable is required (DS2 : CB-203, ZP/Z2/HTG2/DTX2 : CB-204).

*Force Logger Download version is only applicable with firmware older than Ver.5 ZTS/ZTA, HTGS/HTGA, eZT.

[Cautions]

- 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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