

Software for Data Management of Multiple Force Gauges

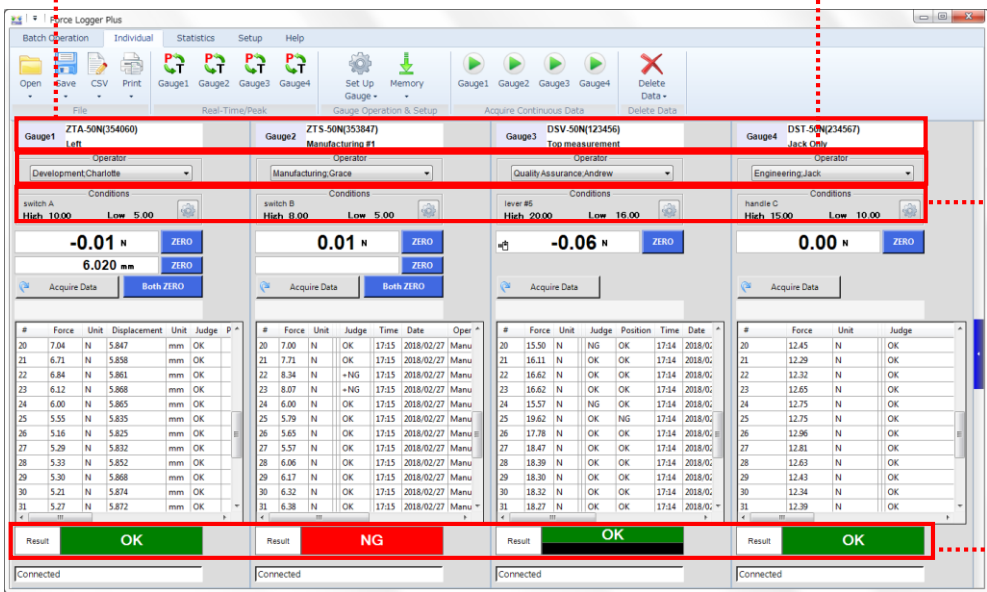
Force Logger Plus

Manages data up to 4 pcs of force gauges simultaneously.
 Acquires single and continuous data to show pass-fail result quickly and clearly.
 Manages force gauge by its serial No. with name, and calibration data.
 Easy connection by the supplied USB hub.

[Main Function: Data Management of Individual Force Gauge]

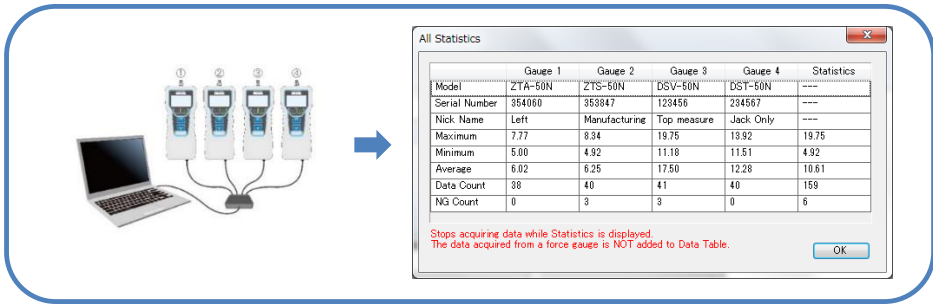
- Easy management of force gauge
 Register each force gauge by its serial No., and manage its name and calibration date, etc.

- Easy management of the operator
 Register the name and department of the operator for individual force gauge and record it with measurement data.



- Test condition setting
 Set the test sample name and judgement conditions (high, low setpoints).

- Pass-fail judgement
 Shows recorded data and the pass-fail result of each force gauge clearly.



- Statistics display
 Shows statistics including the Max, Min, and Ave. values for each force gauge and all force gauges.

	Gauge 1	Gauge 2	Gauge 3	Gauge 4	Statistics
Model	ZTA-50N	ZTS-50N	DSV-50N	DST-50N	---
Serial Number	354060	353847	123456	234567	---
Nick Name	Left	Manufacturing	Top measure	Jack Only	---
Maximum	7.77	8.84	19.75	19.92	19.75
Minimum	5.00	4.92	11.18	11.51	4.92
Average	6.02	6.25	17.50	12.28	10.61
Data Count	38	40	41	40	159
NG Count	0	3	3	0	6

Stops acquiring data while Statistics is displayed.
 The data acquired from a force gauge is NOT added to Data Table.

[Useful function 1: Batch Operation]

- Batch operation

Single and continuous data recording of 4pcs (at max.) force gauges at the same time.

- Real-time value display

The real-time value of each force gauge, total and average real-time value of all force gauges are displayed.

The screenshot shows the Force Logger Plus interface with four force gauges (Gauge1 to Gauge4) and their respective data tables. The gauges are: Gauge1 (ZTA-50N), Gauge2 (ZTS-50N), Gauge3 (DSV-50N), and Gauge4 (DST-50N). Each gauge displays a real-time force value and a 'ZERO' button. Below the gauges are two data tables for each gauge, showing recorded data with columns for Force, Unit, Displacement, Judge, Time, Date, Position, and Time.

- Recorded data

The Total and Ave. values for each force gauge and all force gauges are displayed.

[Useful Function 2: Management of Force Gauge]

- Force gauge registration

Automatic registration of its serial No. and model.

- Detailed information

Enables you to input its name, responsible person and department.

- Calibration information

Allows calibration date registration.

The screenshot shows the 'Manage Force Gauges' window with a table of registered gauges and a list of actions. The table has columns for Model, Serial #, Name, Department, Manager, Purchase Date, Calibration Schedule, and Notes. The actions list includes Up, Down, Delete, Edit..., Export..., OK, and Cancel.

Model	Serial #	Name	Department	Manager	Purchase Date	Calibration Schedule	Notes
ZTA-50N	354060	Left	Dvelopment	Charlotte	2018/02/14	2019/02/13	
ZTS-50N	353847	Manufacturing #1	Manufacturing	Grace	2017/04/15	2018/04/14	if repaired on 23rd August 2017
DSV-50N	123456	Top measurement	Quality Assurance	Andrew	2018/01/17	2019/01/16	
DST-50N	234567	Jack Only	Engineering	Jack	2017/10/10	2018/10/09	

- Comment



Notes such as repair records can be input.

- Edit

Allows revision of registered contents. Password protection is possible for security.

Specifications		
Model	Force Logger Plus-J	Force Logger Plus-I
Sampling rate	Max. 10 data / sec	
Resolution	Determined by force gauge's capacity. (Signed 4-digit) (eg: 0.001N when using 5N range.)	
Functions	Statistics output, CSV format conversion, Printing, Force gauge setting, Testing condition, Force gauge management, Operator management, Password protection	
Output	CSV format conversion, Printing	
Languages	Japanese, English	

Operating Environment	
OS	Windows 7/8/8.1/10
Hardware	CPU: Pentium4(1GHz or more) or more is recommended. Memory: 2GB or more is recommended. Hard disk (Data storage area) : 10GB or more is recommended
Platform	Microsoft. NET Framework 4.6 or later
Execute Environment	Microsoft Internet Explorer 6.0 or later Windows installer 3.1 or later
Image Size	Resolution 1280×768 pixel or more
Connecting Port	USB1.1, USB2.0 connector (force gauges equipped with USB connector)

Product Configuration	
Force Logger Plus CD	The supplied USB hub*
	

* The adapter for USB hub is supplied.

[Printing Sample]

	Gauge 1	Gauge 2	Gauge 3	Gauge 4	Statistics
Model	ZTA-50N	ZTS-50N	DSV-50N	DST-50N	--
Serial Number	354060	353847	123456	234567	--
Nick Name	Left	Manufacturing #1	Top measurement	Jack Only	--
Maximum	7.77	8.34	19.75	13.92	19.75
Minimum	5.00	4.92	11.18	11.51	4.92
Average	6.02	6.25	17.50	12.28	10.61
Data Count	38	40	41	40	159
NG Count	0	3	3	0	5

#	Gauge 1			Gauge 2			Gauge 3			Gauge 4			Statistics		
	Force	Unit	Disp.	Force	Unit	Judge	Force	Unit	Position	Force	Unit	Judge	Total	Average	Unit
1	5.81	N	5.851	5.27	N	OK	11.18	N	OK	11.56	N	OK	33.82	8.48	N
2	5.87	N	5.857	5.73	N	OK	18.47	N	OK	12.15	N	OK	42.22	10.56	N
3	5.93	N	5.860	5.91	N	OK	17.68	N	OK	12.27	N	OK	41.79	10.45	N
4	5.57	N	5.855	5.78	N	OK	16.51	N	OK	12.45	N	OK	40.31	10.08	N
5	5.99	N	5.860	5.63	N	OK	16.55	N	OK	12.45	N	OK	40.82	10.16	N
6	5.94	N	5.861	5.60	N	OK	17.30	N	OK	12.36	N	OK	41.20	10.30	N
7	6.15	N	5.841	6.66	N	OK	17.84	N	OK	12.28	N	OK	42.93	10.73	N
8	6.28	N	5.841	6.74	N	OK	17.57	N	OK	12.10	N	OK	42.69	10.67	N
9	6.27	N	5.848	6.04	N	OK	17.42	N	OK	11.83	N	OK	41.56	10.39	N
10	6.19	N	5.853	5.85	N	OK	17.53	N	OK	11.73	N	OK	41.30	10.33	N
11	6.06	N	5.859	6.29	N	OK	17.04	N	OK	11.51	N	OK	40.90	10.23	N
12	5.72	N	5.861	6.40	N	OK	17.31	N	OK	11.85	N	OK	41.28	10.32	N
13	5.70	N	5.851	7.03	N	OK	17.71	N	OK	11.94	N	OK	42.38	10.60	N
14	6.27	N	5.842	5.48	N	OK	17.89	N	OK	11.84	N	OK	41.48	10.37	N
15	7.16	N	5.845	5.45	N	OK	17.38	N	OK	11.91	N	OK	41.90	10.48	N
16	7.77	N	5.844	5.04	N	OK	17.37	N	OK	12.15	N	OK	42.33	10.58	N
17	7.24	N	5.845	6.00	N	OK	17.41	N	OK	12.13	N	OK	42.78	10.70	N
18	7.31	N	5.842	6.45	N	OK	17.38	N	OK	12.18	N	OK	43.32	10.83	N
19	7.19	N	5.841	6.48	N	OK	17.37	N	OK	12.16	N	OK	43.20	10.80	N
20	7.04	N	5.847	7.00	N	OK	15.50	N	OK	12.45	N	OK	41.99	10.50	N
21	6.71	N	5.858	7.71	N	OK	16.11	N	OK	12.29	N	OK	42.82	10.71	N
22	6.84	N	5.861	8.34	N	+NG	16.62	N	OK	12.32	N	OK	44.12	11.03	N
23	6.12	N	5.868	8.07	N	+NG	16.62	N	OK	12.65	N	OK	43.46	10.87	N
24	6.00	N	5.865	6.00	N	OK	15.57	N	OK	12.75	N	OK	40.32	10.08	N
25	5.55	N	5.835	5.79	N	OK	19.62	N	NG	12.75	N	OK	43.71	10.93	N
26	5.16	N	5.825	5.65	N	OK	17.78	N	OK	12.96	N	OK	41.55	10.38	N

[Cautions]

- Specifications are subject to change without prior notice.
- Do not copy and use this content without authorization.

[Notes for Purchase]

- Separately sold force gauge and its supplied cable is required to use this product.
- The copyright of this product is protected by Japanese Copyright Act and Universal Copyright Convention.
- No returns accepted. Please ensure to confirm its working condition, operating environment, etc.