

Model DF Series

Dynamic Force Tester



DESCRIPTION

Dynamic Force Tester is designed and manufactured to enable the load cycle durability test of the battery terminal part. In addition, it has been upgraded to enable static/dynamic tests with jig exchange and program mode change functions. NEOSENS INSTRUMENT has been providing customers with various solutions for physical test of secondary battery parts.

FEATURES

- ✓ Secondary battery parts cyclic load test
- ✓ Static / Dynamic test mode selection
- ✓ +, - Bidirectional test
- ✓ Welding part compression / tensile strength test
- ✓ PC Based control & DAQ
- ✓ CE,UL available



* Available

Model DF Series

UT Series

Model Name	Capacity [tf (kN)]	Test Speed [mm/s]	Test Stroke [mm]	Accuracy		
				Force [%FS]	Speed [mm/sec]	Displacement [mm]
DF-1000	[1 (10)]	0.1~10	300	<±0.03	<±0.02	<±0.05
DF-2000	[2 (20)]	0.1~10	300	<±0.03	<±0.02	<±0.05
DF-3000	[3 (30)]	0.1~10	300	<±0.05	<±0.02	<±0.05
DF-5000	[5 (50)]	0.1~10	300	<±0.05	<±0.02	<±0.05

Note

- 1) The specimen mounting base is manually adjusted in two axes of X and Z.
- 2) Test mode

* Load control mode

It is a mode that can conduct the test based on the applied load. The distance value at this time becomes a reference or limit item.

* Distance control mode

The test can be conducted based on the distance value of the tool applied to the specimen. The load value at this time becomes a reference or limit item.

* General load test

This mode is available for static load test.

UT Series

Model Name	Power source				
	AC220 1Φ	AC220 3Φ	AC380 3Φ		
DF-1000	O	O	X		
DF-2000	O	O	X		
DF-3000	X	O	O		
DF-5000	X	O	O		



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NOTES

1. All equipment can be manufactured after specification discussion and confirmation with the customer.
2. The type and specification of the tool to be used for the test should be decided after consultation before submitting the quotation.
3. For specifications that are changed or added after the contract, depending on the scope, it may be paid or free of charge.
4. As it is a facility manufactured exclusively for each customer, CE and UL certification can be carried out individually.
5. The contents of this specification are subject to change without notice, check and confirmation of specifications must be conducted after consultation with the responsible salesperson.

Warranty. NEOSENS INSTRUMENT warrants goods of its manufacture as being free of defective materials and faulty workmanship.

NEOSENS INSTRUMENT's standard product warranty applies unless agreed to otherwise by NEOSENS INSTRUMENT in writing; please refer to your order acknowledgement.

For more information visit our website.

www.neosens-ins.com or call +82-31-8014-2500

Email inquiries to info.neosens-ys@neosens.co.kr

WARNING

PERSONAL INJURY

- DO NOT USE Do not use this product for any purpose other than the secondary battery crush test.

Failure to comply with these instructions could result in death or serious injury.

WARNING

MISUSE OF DOCUMENTATION

- The information presented in this catalogue is for reference only. DO NOT USE this document as product installation information.
- Complete installation, operation and maintenance information is provided in the instructions supplied with each product.

Failure to comply with these instructions could result in death or serious injury.

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