

Model UT Series

(Battery) Universal Test Machine



DESCRIPTION

This test machine is configured to perform tensile and compression tests of secondary battery parts in accordance with test standards. In particular, a variety of special jigs are provided to enable testing of a wide variety of secondary battery parts, so its usability is superior compared to general-purpose UTM testers.

NEOSENS INSTRUMENT has been providing customers with various solutions for physical test of secondary battery parts.

FEATURES

- ✓ Secondary battery parts tensile & compression test
- ✓ Terminal rivetting joint strength test
- ✓ Welding part strength test
- ✓ PC Based control & DAQ
- ✓ CE,UL available



* Available

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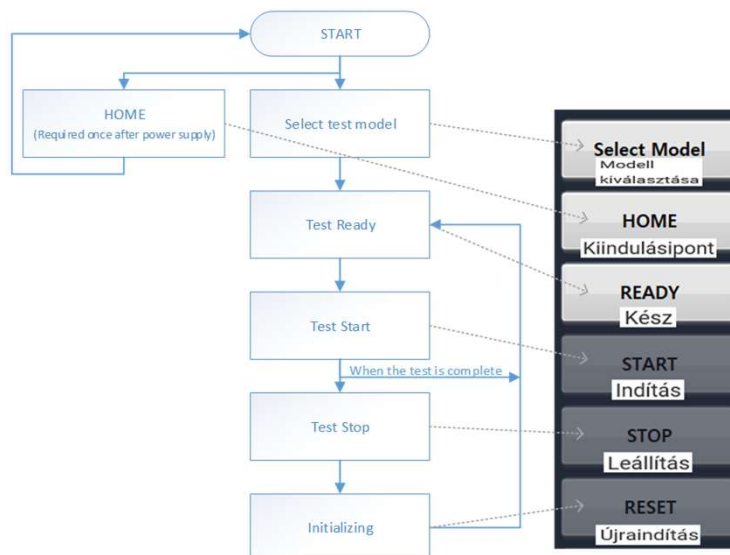
Model Name	Capacity [tf (kN)]	Test Speed [mm/s]	Test Stroke [mm]	Accuracy		
				Force [%FS]	Speed [mm/sec]	Displacement [mm]
UT-1000	[1 (10)]	0.1~10	300	<±0.03	<±0.02	<±0.05
UT-2000	[2 (20)]	0.1~10	300	<±0.03	<±0.02	<±0.05
UT-3000	[3 (30)]	0.1~10	300	<±0.05	<±0.02	<±0.05
UT-5000	[5 (50)]	0.1~10	300	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

Note

- 1) A vise that can be adjusted with 2 axes of X-Y is provided as standard.
- 2) Screwed manual grips are fitted as standard.
- 3) The mounting jig is designed and manufactured exclusively for each specimen or model.
- 4) Automatic report generation function is provided.

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



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Universal Test Machine

Motor Moving: EMG, Remote, Upper Limit, Lower Limit, Servo Ready, Servo Alarm

Model Name:
 LOT Number:
 Saving Test Results File Path: D:\ForceTester\Program\Measurement\Result\111.CSV

TEST Manual Operation Setting

Start Position(mm): 10.0
 Travel Distance(mm): 20.0
 Test Speed(mm/sec): 1.0
 Current Position(mm): 10.0
 Current Speed(mm/sec): 1.0

Current Force(kgf): 0
 Peak Force(kgf): 0

Elapsed Time(sec): 0.0

Buttons: Select Model, HOME, READY, START, STOP, RESET, EXIT

Force Distance Graph

Message:

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	D	E
6	0	0
7	Test Data	0 OK
8	Time(ms)	Judgment result
9	2	
10	12	
11	22	
12	32	
13	42	

CE  * Available

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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.

Sensing & Automation Control Solutions
NEOSENS INSTRUMENT

63-12, Dongtancheomdansaneop 1-ro,
Hwaseong-si, Gyeonggi-do, Republic of
Korea, 18469 (+82-8014-2500)
www.neosens-ins.com

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