

## Model ISC Series

Forced Internal Short Circuit Tester



### DESCRIPTION

The ISC series is manufactured to comply with international test standards for the forced internal short circuit test of secondary batteries. Especially, ISC Series provides the best results in research/development/test/verification by grafting NEOSENS's own advanced DAQ technology.

### FEATURES

- ✓ Including temperature chamber
- ✓ AC servo system (2kN~20(50)kN)
- ✓ Vertical Shape
- ✓ Full remote control via ethernet
- ✓ Various DAQ available
- ✓ CE,UL available



\* Available

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## ISC Series

Model Name	Capacity [kN]	Actuator	Speed [mm/s]	Test Stroke (Refer to note)
		AC Servo		
ISC-2S	2	O	0.05~5	T.B.D
ISC-5S	5	O	0.05~5	T.B.D
ISC-10S	10	O	0.05~5	T.B.D
ISC-20S	20	O	0.05~5	T.B.D
(ISC-50S)	50	O	0.1~5	T.B.D
ISC-O	Order made type	-	-	-

### Note

Since the test stroke is variable according to the user's request and the size/shape of the test object, it is decided after consultation with the customer.

## ISC Series

Model Name	Capacity [kN]	Accuracy		
		Force [%R.C.]	Position [mm]	Speed [mm/s]
ISC-2S	2	±<0.2%	±<0.05	±<0.02
ISC-5S	5	±<0.2%	±<0.05	±<0.02
ISC-10S	10	±<0.5%	±<0.05	±<0.02
ISC-20S	20	±<0.5%	±<0.05	±<0.02
(ISC-50S)	50	±<1%	±<0.05	±<0.02
ISC-O	Order made type	-	-	-

## ISC Series

Model Name	Capacity [kN]	Power source		
		AC220 1Φ	AC220 3Φ	AC380 3Φ
ISC-2S	2	O	O	X
ISC-5S	5	O	O	X
ISC-10S	10	O	O	X
ISC-20S	20	O	O	X
(ISC-50S)	50	X	O	O
ISC-O	Order made type	X	O	O

### Note

Power source can be discussed.



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## ISC Series

Model Name	Capacity [kN]	DAQ List					
		Force	Position	Speed	Voltage	Temp.	Video
ISC-2S	2	d	d	d	d	d	op
ISC-5S	5	d	d	d	d	d	op
ISC-10S	10	d	d	d	d	d	op
ISC-20S	20	d	d	d	d	d	op
(ISC-50S)	50	d	d	d	d	d	op
ISC-O	Order made type	-	-	-	-	-	-

### Note

- 1) Symbol "d" means to default specification.  
The saving speed of the default specification is up to 10Hz.
- 2) Symbol "op" means to optional specification.

## ISC Series

Model Name	Capacity [kN]	DAQ Speed					
		Force	Position	Speed	Voltage	Temp.	Video
ISC-2S	2	~200Hz	~200Hz	~200Hz	~200Hz	~200Hz	-
ISC-5S	5	~200Hz	~200Hz	~200Hz	~200Hz	~200Hz	-
ISC-10S	10	~200Hz	~200Hz	~200Hz	~200Hz	~200Hz	-
ISC-20S	20	~200Hz	~200Hz	~200Hz	~200Hz	~200Hz	-
(ISC-50S)	50	~200Hz	~200Hz	~200Hz	~200Hz	~200Hz	-
ISC-O	Order made type	-	-	-	-	-	-

### Note

- 1) The saving speed can be changed by the user in the program within the maximum DAQ speed.  
The saving speed of the default specification is up to 10Hz.
- 2) All data, including video recording, are synchronized and stored.
- 3) Video recording use USB Web cam and up to 6 cameras can be saved at the same time.  
\*\* Separate consultation is required for multi-channel simultaneous recording.

If you need to record video using an IP camera, you must use a private recording program, and in this case, synchronization is not possible.



\* Available

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ISC Series			
Model Name	Capacity [kN]	Temperature chamber application	
		Safety Chamber	Explosion Chamber
ISC-2S	2	0	0
ISC-5S	5	0	0
ISC-10S	10	0	0
ISC-20S	20	0	0
(ISC-50S)	50	0	0
ISC-O	Order made type		

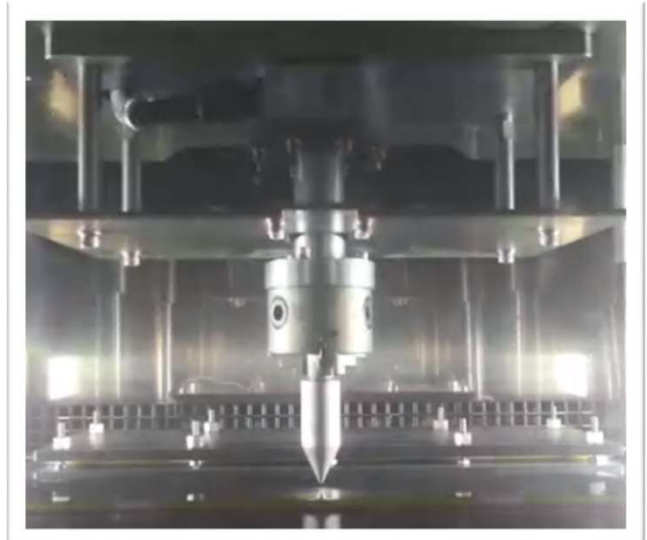
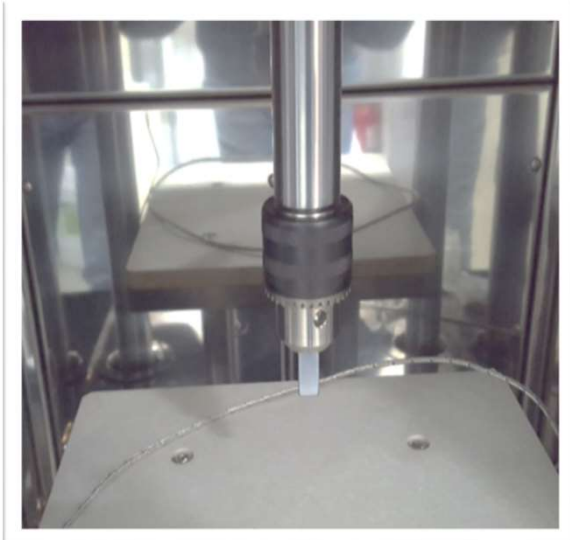
## Note

- 1) The application of the temperature chamber can be decided at the specification meeting with the customer.



\* Available

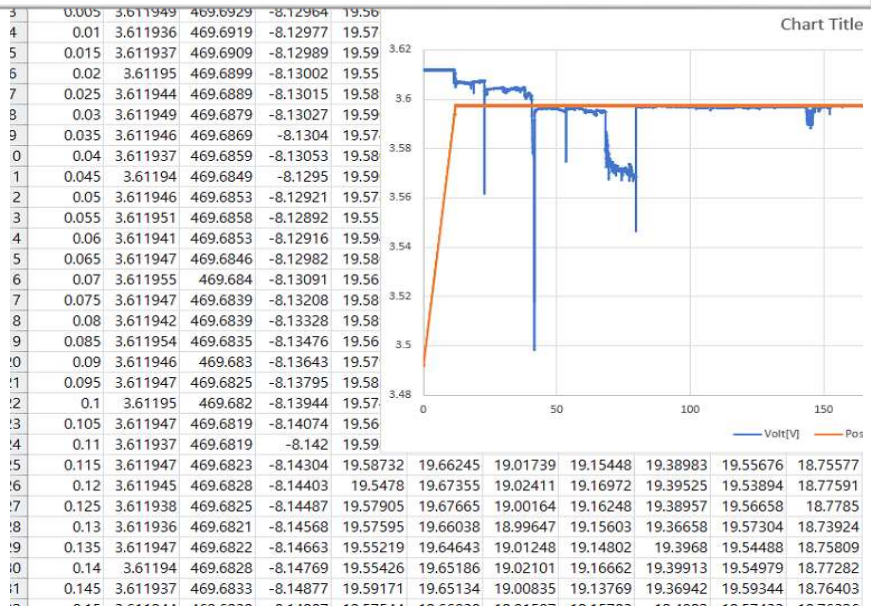
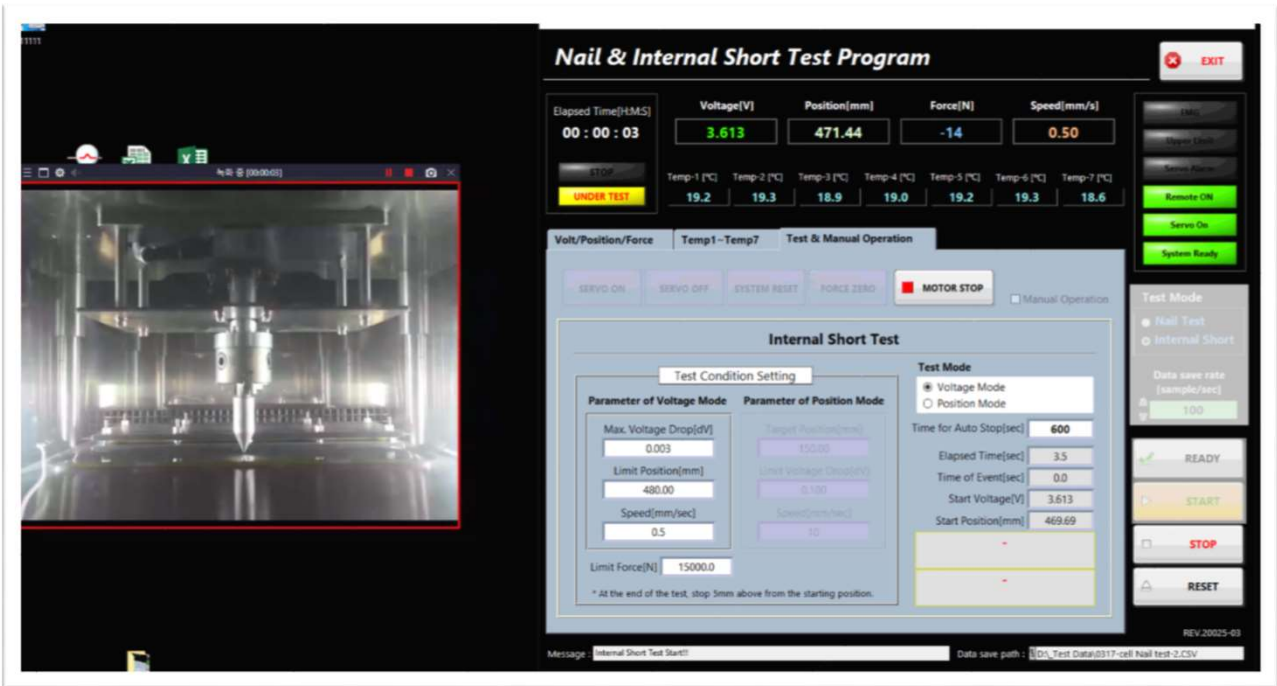
# Model ISC Series



CE  \* Available

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# Model ISC Series



\* 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.

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Email inquiries to [info.neosens-ys@neosens.co.kr](mailto: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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