

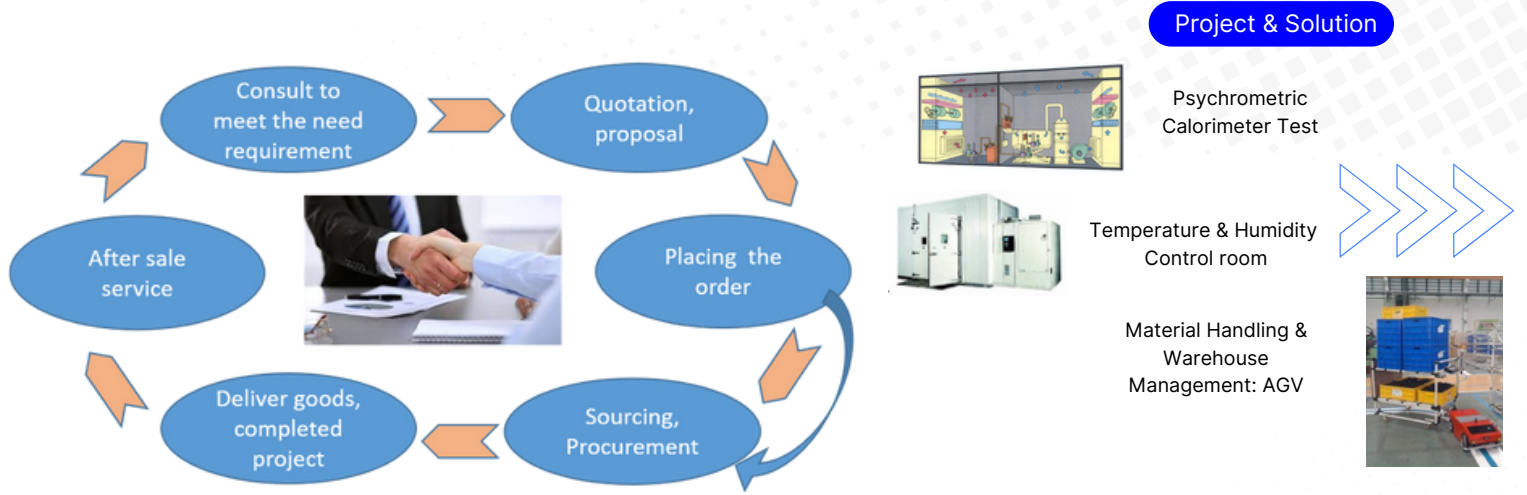


CUSTOMER SATISFACTIONS IS OUR SERVICE.



ด้วยประสบการณ์ทำงานมากกว่า 25 ปี ในอุตสาหกรรมเครื่องมือวัดไฟฟ้าและอิเล็กทรอนิกส์ที่สนับสนุนงานสายการผลิต การควบคุมคุณภาพ และห้องทดสอบควบคุมอุณหภูมิและความชื้น บริษัทฯเป็นตัวแทนจำหน่ายสินค้าให้กับ YOKOGAWA, IKONIX:EEC,SCI,ASSOCIATEDRESEARCHและSOPHPOWER และให้บริการเป็นผู้จัดซื้อจัดหาสินค้าตามความต้องการของลูกค้าที่ไม่สามารถหาได้ในประเทศไทย

<p><b>YOKOGAWA</b> Authorized Dealer</p> <p>Oscilloscopes    Data Acquisition (DAQ)    Handheld Instruments Power Analyzers    Calibrator    Manometers</p>	<p><b>ASSOCIATED RESEARCH</b> AN IKONIX BRAND</p> <p>Leakage Current Tester    Hipot Tester Ground Bond Tester    Multi-Function Tester</p>	<p><b>SCI</b> AN IKONIX BRAND</p> <p>Ground Bond Tester Hipot Tester All in One Tester</p>
<p><b>EEC</b> Authorized Reseller</p> <p>AC Power Source</p>	<p><b>SophPower</b> Authorized Dealer</p> <p>AC Power Source    PROGRAMMABLE LINEAR AC SOURCE POWER DC POWER SUPPLY    AUTOMATIC VARIABLE REGULATOR</p>	



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Customer satisfactions is our service.

# CONTENTS

Yokokogawa Product.....	1
AC Power Supply.....	2
Automatic Voltage Stabilizer.....	4
DC Power Supply.....	4
Electrical Safety Tester.....	5
Power Meter.....	7
Oscilloscopes.....	7
Recorder.....	8
Calibrator.....	8
Insulation Tester.....	9
Scale & Weight Indicator.....	9
Variable AutoTransformer.....	9
Thermocouple Wire.....	10
Thermocouple Connector.....	10
Current Transformer.....	10
Desktop Temperature & humidity chamber.....	11
Solution Product.....	12



## Yokogawa Product

### Oscilloscopes



DLM3000



DL950 ScopeCorder

### Source Measure Unit



GS610 Source

### Calibrators



CA500



CA700

### Digital Multimeters



DM7560

### Digital Power Analyzers



CW500



WT500

### Clamp-on Testers

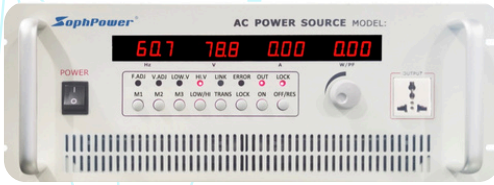


CL235



**AC Power Supply**

**SophPower**



**AC Power Source 1 Phase; AFC**

Output Power: 500 VA to 15 KVA  
 Low /High Range: 150/300V, (optional 0-600V)  
 Output Frequency: Selectable 50Hz and 60Hz;  
 adjustable 45-65Hz  
 (optional 45-400Hz)

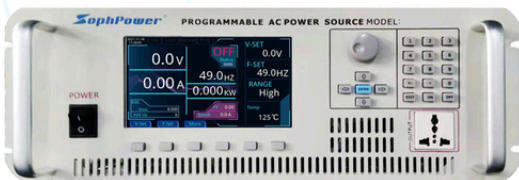
**SophPower**



**AC Power Source 3 Phase; AFC**

Output Power: 10 KVA to 1000 KVA  
 Low /High Range: 150/300V, (optional 0-600V)  
 Output Frequency: Selectable 50Hz and 60Hz; adjustable  
 45-65Hz (optional 45-400Hz)

**SophPower**



**Programmable Linear AC Source**

Output Capacity: 500VA to 5 KVA  
 Voltage Range: 150/300Vrms  
 Frequency Range: 45Hz to 65 Hz 500Hz (Optional 45-500 Hz)

**eec**  
 AN IKONIX BRAND



**Programmable AC/DC Power Supply 3 Phase; 420/430XAC**

Output Power: 3KVA/6 kVA  
 Output Voltage Range: Up to 600 VAC or 300 VAC  
 per phase  
 Output Frequency Range: DC, 40 to 1,000 Hz  
 Phase Configuration: Programmable for 1Ø, 3Ø, or DC  
 output



**AC Power Supply**



**Programmable Linear AC Power Source 6700 Series**

Model Specifications:

Model	Power Rating	Max Current (0-150V)	Max Current (0-300V)	Dimensions (WxHxD)	Weight
6705	500VA	4.2A	2.1A	430x89x400 mm	25kg
6710	1kVA	8.4A	4.2A	430x89x560 mm	39kg
6720	2kVA	16.8A	8.4A	430x268x560 mm	90kg
6730	3kVA	25.2A	12.6A	430x624x650 mm	165kg
6750	5kVA	42A	21A	430x624x650 mm	205kg



**AC Power Source 6900S Series**

Model Specifications:

Model	Power Rating	Max Current (0-155V)	Max Current (0-310V)	Dimensions (WxHxD)	Weight
6905S	500VA	4.6A	2.3A	430x89x300 mm	12.5kg
6910S	1kVA	9.2A	4.6A	430x89x400 mm	18.2kg
6920S	2kVA	18.4A	9.2A	430x89x500 mm	30kg
6930S	3kVA	27.6A	13.8A	430x222x500 mm	57kg
6950S	5kVA	46.0A	23.0A	430x222x500 mm	65kg



**Programmable AC Power Source 8500 Series**

Model Specifications:

Model	Power Rating	Max Current (0-155V)	Max Current (0-310V)	Dimensions (WxHxD)	Weight
8505	500VA	5A	2.5A	430x88x500 mm	15kg
8512	1250VA	12.5A	6.25A	430x88x500 mm	15kg
8520	2000VA	20A	10A	430x88x500 mm	15kg
8530	3000VA	30A	15A	430x88x500 mm	15kg
8540	4000VA	40A	20A	430x176x500 mm	28kg
8560	6000VA	60A	30A	430x176x500 mm	28kg



## Automatic Voltage Stabilizer





### AVR Series Non-contact Voltage Stabilizer

Output Power Range: 10KVA to 3000KVA

Efficiency: Up to 99%

Response Time:  $\leq 40\text{ms}$

Output Voltage Accuracy:  $\pm 1\%$





## DC Power Supply

### DC Power Supply DSP Series

Output power range: up to 150kW

Output voltage Range: up to 1500V and output current up to 1500A.





### DC Power Supply

Variable Laboratory Multiple Output Linear



## Electrical Safety Tester



### Hypot@ 3800 Series

Hi-pot/ Insulation Tester

- Withstanding Test (High Voltage)
- Insulation Resistance Test
- Ground Continuity) Test

Find the Model that Fits Your Testing Needs



AC Hipot



DC Hipot



Ground Continuity



Insulation Resistance

EN 50191 COMPLIANT

Model	AC Hipot	DC Hipot	Ground Continuity	Insulation Resistance	EN 50191 COMPLIANT
3805	•		•		•
3855	•		•	•	•
3865	•	•	•		•
3870	•	•	•	•	•



### HYAMP@ Ground Bond Tester Model 3240

AC/DC GB 40A/8V



### HypotULTRA@ 7800 Series

All-in-One Enhanced Simplicity

- Withstand Voltage Testing
- Ground Bond Testing
- Ground Continuity) Test
- Insulation Resistance Testing

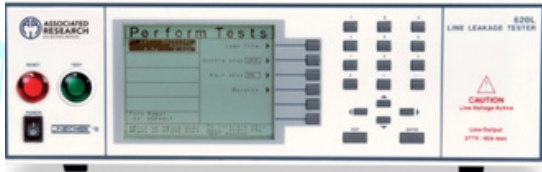
Model	AC Hipot	DC Hipot	Ground Bo	Ground Cd	Insulation Resistance
7820	Yes	No	No	Yes	No
7850	Yes	Yes	No	Yes	Yes
7800	Yes (500V	Yes	No	Yes	Yes
7804	Yes	Yes	Yes	Yes	Yes
7854	Yes (500V	Yes	Yes	Yes	Yes







## Electrical Safety Tester



### OMNIA® II 8200 Series LINECHECK® II Leakage Current Tester



8204	•	•	•	•	•				
8254	500 VA*	•	•	•	•				
8206	•	•	•	•	•	•	•	•	•
8256	500 VA*	•	•	•	•	•	•	•	•
8207	•	•	•	•	•	•	•	•	•
8257	500 VA*	•	•	•	•	•	•	•	•



### SCI 260 Series Ground Bond Tester



Specifications:

Model	Output Current	Dimensions (WxHxD)	Weight
264	Up to 40 A AC	215 x 88 x 300 mm	4.3 kg
266	Up to 60 A AC	430 x 132 x 300 mm	9 kg



### SCI 290 Series Hipot Tester



Model Specifications:

Model	ACW Output	DCW Output	IR Test	Dimensions (WxHxD)	Weight
294	-	6 kVDC/5 mA	-	215x88.1x300 mm	5.46 kg
295	5 kVAC/12 mA	-	-	215x88.1x300 mm	5.46 kg
296	5 kVAC/12 mA	6 kVDC/5 mA	-	215x88.1x300 mm	5.46 kg
297	5 kVAC/12 mA	6 kVDC/5 mA	1 kVDC/1000 MΩ	215x88.1x300 mm	5.46 kg
298	5 kVAC/99.99 mA	-	-	430x132x300 mm	20.86 kg







## Electrical Safety Tester

**SCI**  
AN IKONIX BRAND

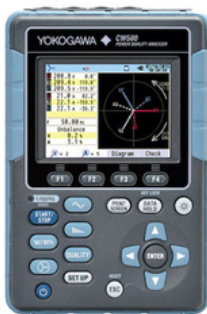


SCI 440 Series All-In-One

	 AC Hipot	 DC Hipot	 Insulation Resistance	 Ground Bond
446	•	•	•	•
448	<b>500VA</b>	•	•	•

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## Power Meter



**CW500 Power Quality Analyzer**

- Power Measure and Logging
- Power Quality Measuring
- User Support
- Analysis of Data and Report Generation

**YOKOGAWA** ◆



**WT300E Series**

Input element: 1, 2 and 3 (1 phase, 3 phase)

Voltage range: 15 to 600 V

Current range: 5 mA to 20 A (40A selectable)

Accuracy: 45 Hz ≤ f ≤ 66 Hz (0.1% of reading)



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Oscilloscopes



**DLM3000 Series**

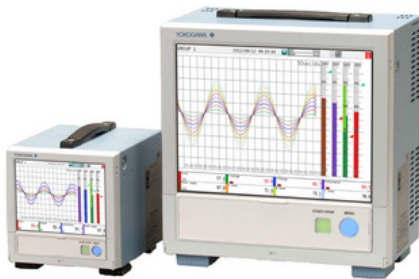
Frequency bandwidth: 200 to 500 Mz Selectable

Input terminal : 2, 4 ch., 8 bit logic

Max. sample rate: 2.5 GS/s

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Recorder



**Touch Screen GP10/GP20**

Input Type:DCV, TC, PT, Digital

Number channels: 30 ch. to 450 ch.

Display:Touch Screen

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Calibrator



**CA500 Series Multi-Function Process Calibrator**

Source Unit:Voltage/Current/Resistance/Pulse

Measurement Unit:Voltage/Current/Resistance/Pulse

Two Wiring Transmitter: Sink & Source, 24 V Loop

Power Supply

YOKOGAWA ◆



**CA700 Pressure Calibrator**

Pressure range : 200/1000/3500 kpa

Measurement/Source : Current/Voltage

Two Wiring Transmitter: Sink & Source, 24 V Loop

Power Supply

Pressure measurement accuracy: 0.01%



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## Insulation Tester

### Insulation Testers MY600

Rated measuring voltage : 50 to 1000 V

Maximum effective reading : 100 Mohm to 4000Mohm

Accuracy  $\pm 2\%$  reading

communication and memory function : USB

## Scale & Weight Indicator



### Weighing Indicator PT252

Capacity & Units display: Max. 15000kg/30000lb, Units g, kg, oz, lb Metric/Imperial switchable

Excitation: 5V, up to 4x 350 $\Omega$  or 8x 700 $\Omega$  load cells, 4 or 6 wire

Input voltage range and sensitivity: 0mV to +18mV. Minimum 0.1  $\mu$ V/division

Power Supply: 12VDC (10.5-14.6) with 100-230 VAC, 50-60

Hz adapter.

## Variable Auto Transformer



Wiring: 1 Phase and 3 Phase

Capacity: 0 to 15 KVA

Voltage Adjust: 0-280 V



## THERMOCOUPLE WIRE



**TC Type:** T, K,  
**Dimension:** 0.32, 0.65 mm  
**Insulation:** PVC, Teflon

## THERMOCOUPLE CONNECTOR



**T Type Thermocouple Mini Panel Plug Connector**

## CURRENT TRANSFORMER

**CURRENT TRANSFORMER**



### Technique Index

Electrical Parameter	
Frequency	50/60Hz
Rated Input	5A-3000A
Measuring range	5% In-120% In
Rated Output	1A, 5A
Rated Voltage	0.72KV(AC)
Dielectric strength	3.0KV/1mA/1min
Insulation Resistance	DC500V/100MΩ min



## Desktop Temp & Humidity Test Chamber



### Constant Temperature and Humidity Test Chamber

Temperature range:  $-20^{\circ}\text{C} \rightarrow +150^{\circ}\text{C}$  (adjustable)

Humidity range: Humidity range: 20% ~ 98% RH

Conforms to: IEC, JIS, GB, MIL

Working volume: W 350 mm × D 350 mm × H 400 mm (49L)

### Capacity & Performance

Inner size

W350 x D350 x H400 mm; volume: 49 Liters

External size

W560 x D1100 x H950mm appr.

Test space

The test space can not be more than three-quarters of the total space

Temperature range

$-20^{\circ}\text{C} \rightarrow +150^{\circ}\text{C}$  (adjustable)

Temperature changing rate

Heating rate:  $2.0^{\circ}\text{C}-4.0^{\circ}\text{C}/\text{min}$ ;

Cooling rate:  $0.7^{\circ}\text{C}-1.0^{\circ}\text{C}/\text{min}$   
(average non-linear, no load)

Temperature fluctuation

$\pm 0.5^{\circ}\text{C}$

Temperature uniformity

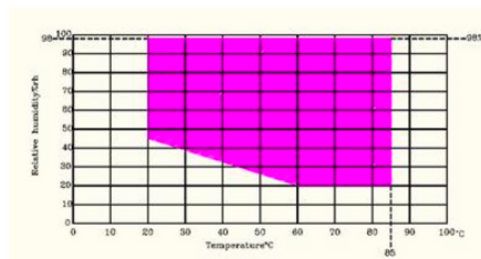
$\pm 2.0^{\circ}\text{C}$

Temperature deviation

$\pm 2.0^{\circ}\text{C}$

Humidity & temperature control range (refer to fig.)

20% ~ 98% R.H (temperature controlled at  $20^{\circ}\text{C}-85^{\circ}\text{C}$ )



Humidity fluctuation

$\pm 2.5\% \text{R.H.}$

6.11. Humidity deviation

$\pm 3.0\%$

6.12. Humidity uniformity

$\pm 3.0\%$  ( $\geq 75\%$ );  $\pm 5.0\%$  ( $< 75\%$ )



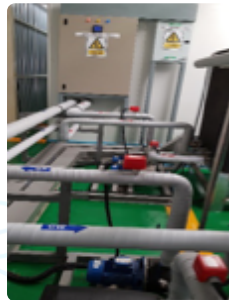
## Walk-in Chamber for Testing Laboratory



**Customized requirement:**

- Temp & Humidifier control range
- Various wide size
- Make to follow international standard
- Turnkey project of measurement and system

## Hot & Cold water supply for standard Laboratory

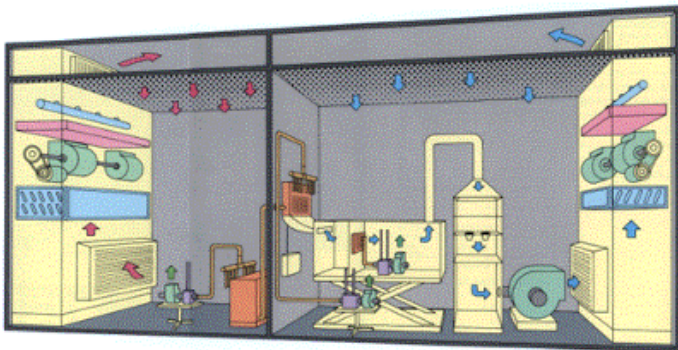


**Customized requirement:**

- Hot & Cold water control range
- Piping Pressure Control
- Touch Screen operation



## Psychrometric Calorimeter Test for Air Conditioner



**Test Object**

- (1). Air-cooling Air Conditioners
- (2). Heat-pump Air Conditioners
- (3). Duct type Air Conditioners
- (4). Fan coil

**Testing Range**

- (a). Cooling capacity: 24,000-120,000 Btu/h
- (b). Heat-pump capacity: 24,000-120,000 Btu/h
- (c). for Fan coil capacity: 24,000-80,000 Btu/h



## Automation Guided Vehicle (AGV)

- Driving direction: one direction
- Carrying: cart type
- Load cap.: up to 300 kg.
- Guide: color (magnetic is option)
- Loading: manual (auto pick is option)
- Destination order: manual (auto sense is option)





