



# TEST DATA OF STA5000T

Regulated DC Power Supply

Jun. 19, 2000

Approved by : *H. Kitamura*  
Design Manager

Prepared by : *K. Tajima*  
Design Engineer

**コーセル株式会社**

**COSEL CO., LTD.**



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<p>Model STA5000T</p> <p>Item Input Current (by Load Power) 入力電流 (負荷特性)</p> <p>Output _____</p>		<p>Temperature 25°C</p> <p>Testing Circuitry Figure A</p>																																																							
<p>1. Graph</p> <p>—△— Input Volt. 170V - - -□- - - Input Volt. 200V - - -○- - - Input Volt. 264V</p> <p>Note: Slanted line shows the range of the rated load power.</p> <p>(注)斜線は定格出力電力範囲を示す。</p>		<p>2. Values</p> <table border="1"> <thead> <tr> <th rowspan="2">Load Power [W]</th> <th colspan="3">Input Current [A]</th> </tr> <tr> <th>Input Volt. 170[V]</th> <th>Input Volt. 200[V]</th> <th>Input Volt. 264[V]</th> </tr> </thead> <tbody> <tr><td>0</td><td>0.230</td><td>0.260</td><td>0.350</td></tr> <tr><td>1000</td><td>3.900</td><td>3.000</td><td>2.200</td></tr> <tr><td>2000</td><td>7.600</td><td>6.200</td><td>4.500</td></tr> <tr><td>3000</td><td>11.100</td><td>8.700</td><td>6.900</td></tr> <tr><td>4000</td><td>14.500</td><td>12.000</td><td>8.800</td></tr> <tr><td>5000</td><td>17.800</td><td>14.800</td><td>11.200</td></tr> <tr><td>—</td><td>—</td><td>—</td><td>—</td></tr> <tr><td>—</td><td>—</td><td>—</td><td>—</td></tr> <tr><td>—</td><td>—</td><td>—</td><td>—</td></tr> <tr><td>—</td><td>—</td><td>—</td><td>—</td></tr> <tr><td>—</td><td>—</td><td>—</td><td>—</td></tr> <tr><td>—</td><td>—</td><td>—</td><td>—</td></tr> </tbody> </table>	Load Power [W]	Input Current [A]			Input Volt. 170[V]	Input Volt. 200[V]	Input Volt. 264[V]	0	0.230	0.260	0.350	1000	3.900	3.000	2.200	2000	7.600	6.200	4.500	3000	11.100	8.700	6.900	4000	14.500	12.000	8.800	5000	17.800	14.800	11.200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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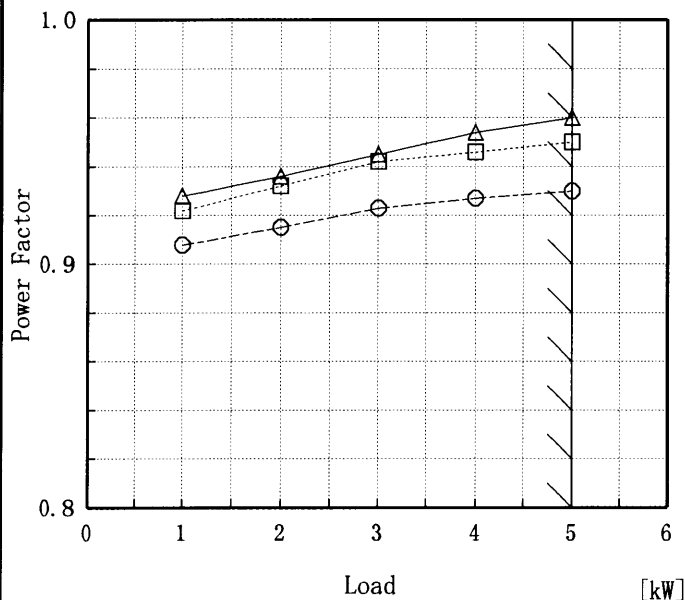


Model	STA5000T
Item	Power Factor (by Load Current) 力率 (負荷特性)
Object	_____

Temperature 25°C  
Testing Circuitry Figure A

1. Graph

—△— Input Volt. 170V  
- - -□- - - Input Volt. 200V  
- - -○- - - Input Volt. 264V



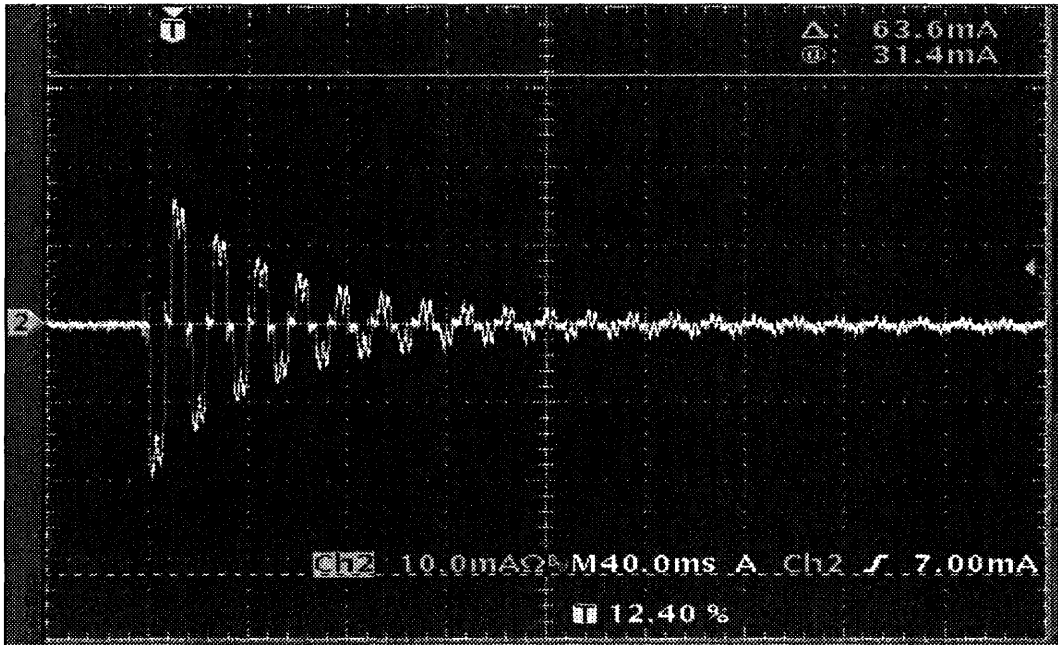
Note: Slanted line shows the range of the rated load current.

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2. Values

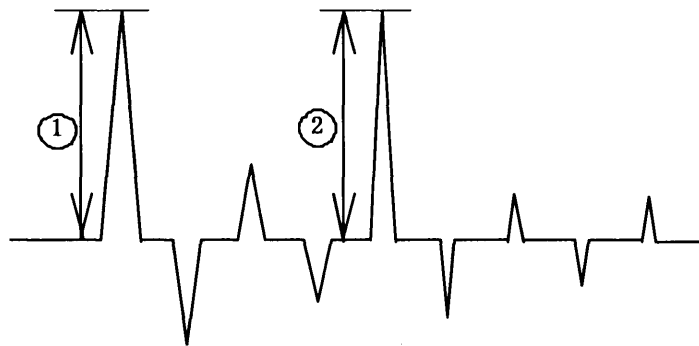
Load Current [A]	Power Factor		
	Input Volt. 170[V]	Input Volt. 200[V]	Input Volt. 264[V]
1000	0.93	0.92	0.91
2000	0.94	0.93	0.92
3000	0.95	0.94	0.92
4000	0.95	0.95	0.93
5000	0.96	0.95	0.93
—	—	—	—
—	—	—	—
—	—	—	—
—	—	—	—
—	—	—	—
—	—	—	—
—	—	—	—

Model		STA5000T	Temperature	25°C
Item		Inrush Current 突入電流	Testing Circuitry	Figure A
Object		_____		



20A/DIV  
40ms/DIV

Input Voltage 200 V  
 Frequency 60 Hz  
 Load 100 %  
 Inrush Current  
 ① 40.00 [A]





Model		STA5000T	Temperature	25°C
Item		Leakage Current 漏洩電流	Testing Circuitry	Figure B
Object		_____		

1. Results

Standards	Leakage Current [mA]		
	Input Volt. 170 [V]	Input Volt. 200 [V]	Input Volt. 264 [V]
(A) DENTORI	—	—	—
(B) IEC60950	—	—	—

2. Condition

Leakage current value is concluded after measuring both phases of AC input and by choosing the larger one.

交流入力 of 両相について測定し、その大きい方を漏洩電流測定値とする。

Standards	Leakage Current [mA]		
	Input Volt. 170 [V]	Input Volt. 230 [V]	Input Volt. 264 [V]
(B) IEC60950	0.45	0.65	0.86



Model		STA5000T	Temperature	25°C
Item		Line Noise Tolerance 入力雑音耐量		
Object				

1. Results

Pulse Width [ nS ]	MODE		No protection failure should occur 保護回路の誤動作がない	DC-like Regulation of Output Voltage 出力電圧の直流的変動
	POLARITY			
50	COMMON	+	OK	no fluctuation
		-	OK	no fluctuation
	NORMAL	+	OK	no fluctuation
		-	OK	no fluctuation
1000	COMMON	+	OK	no fluctuation
		-	OK	no fluctuation
	NORMAL	+	OK	no fluctuation
		-	OK	no fluctuation

2. Conditions

Input Voltage : 100 V  
 Pulse Voltage : 2000 V  
 Pulse Cycle : 10 mS  
 Pulse Input Duration : 1 min. or more  
 Load : 100 %





Model		STA5000T	Temperature		25°C
Item		Conducted Emission 雑音端子電圧	Testing Circuitry		Figure D
Object					

1. Graph

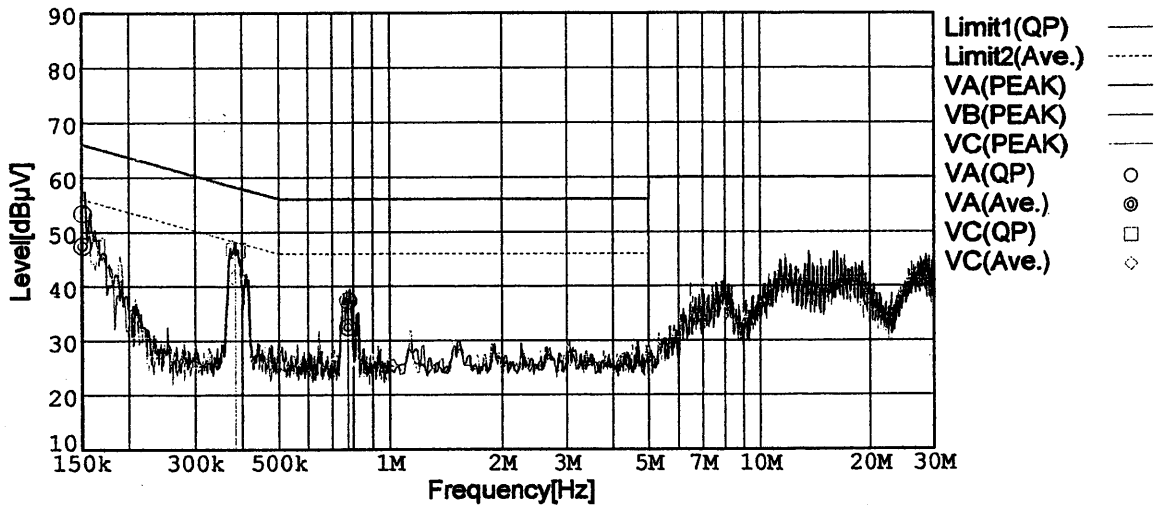
Remarks

Input Volt. 200 V (EN55022 Class B)

Load 100 %

Limit1: [EN 55022] Class B(QP)

Limit2: [EN 55022] Class B(Ave.)



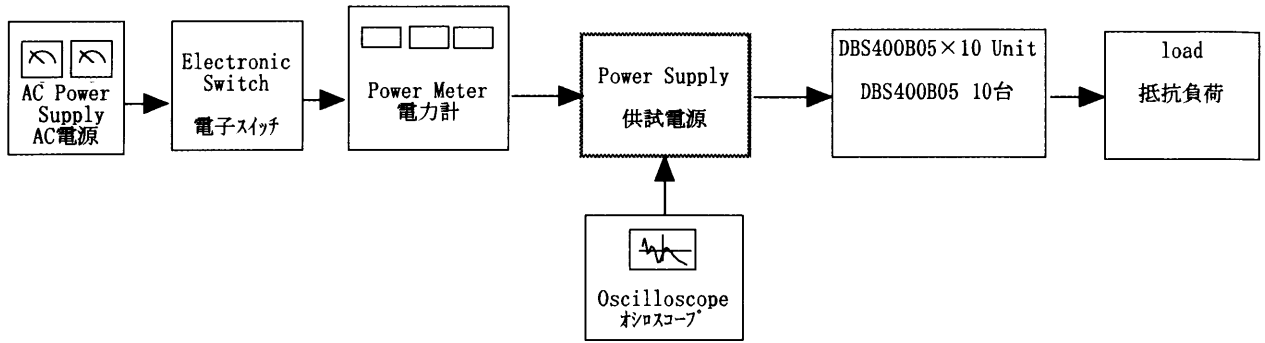


Figure A

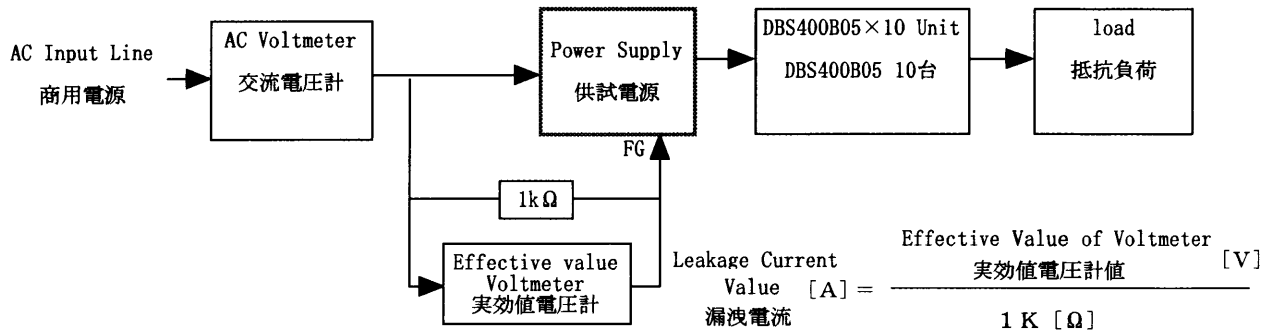


Figure B (DENTORI)

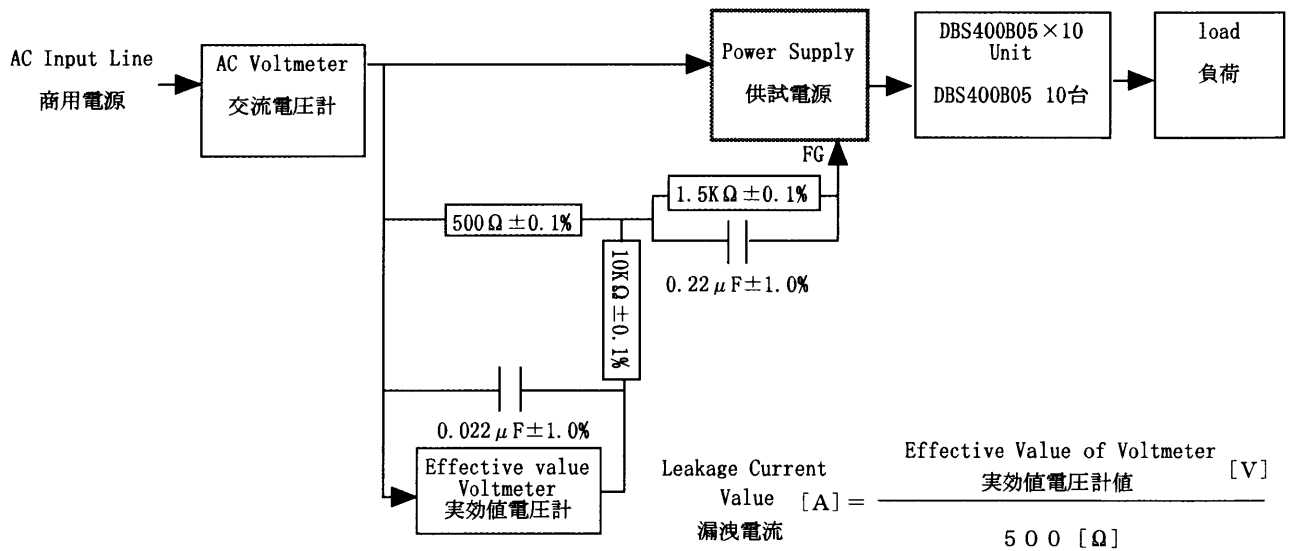


Figure B (IEC 60950)

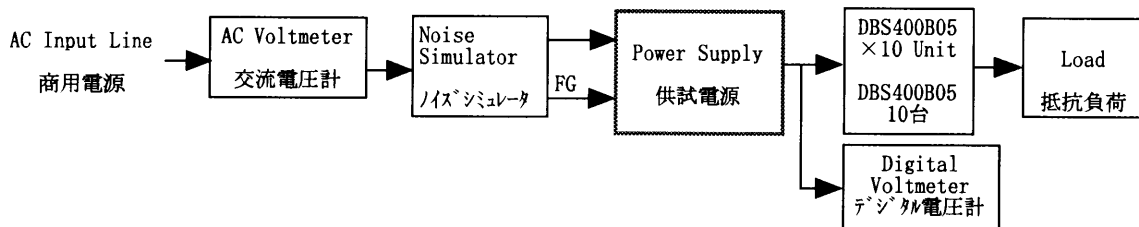


Figure C

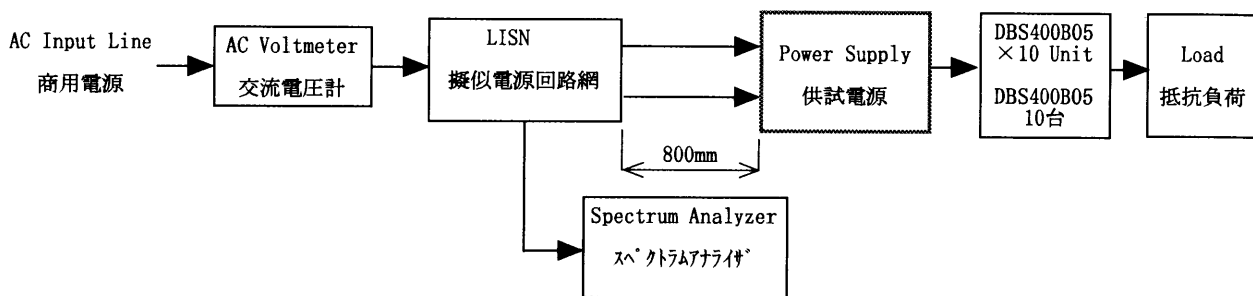


Figure D

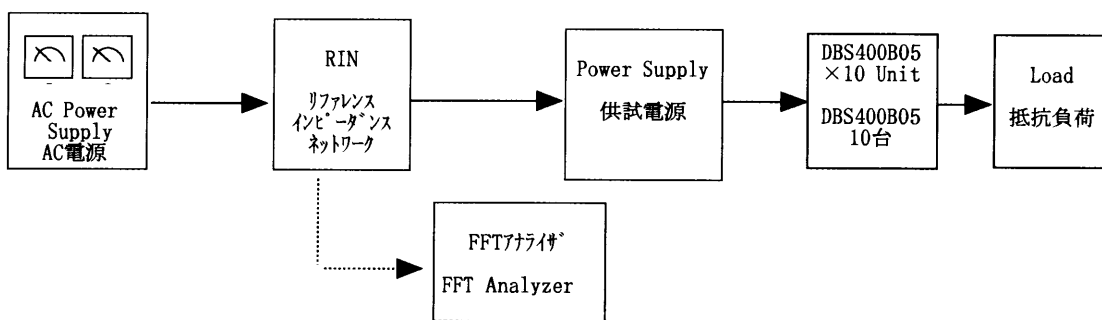


Figure E