

## Specification of As-100 Series

### ■ Power Supply Section

<b>Output Frequency</b>	25kHz to 100kHz, Accuracy : $\pm 1\%$ of Set Value 0.1kHz step variable, sine wave
<b>External Signal Input*</b>	25kHz to 100kHz, sine wave
<b>Output Voltage</b>	As-114 B : 3kVrms (High on One End), 3kVrms (High on Both Ends) As-128 : 4kVrms (High on One End), 4kVrms (High on Both Ends) As-130 : 4kVrms (High on One End), 6kVrms (High on Both Ends)
<b>Output Current</b>	20mArms
<b>Output Voltage Distortion Factor</b>	Within 5% (25kHz to 100kHz)
<b>CV Mode</b>	Constant Voltage Mode That Controls the Output Voltage $V_o$ at a Constant Value.
<b>CC Mode</b>	Constant Current Mode That Controls the Lamp Current $I_L$ at a Constant Value.
<b>Vds Mode</b>	The Mode That Measures the Lighting Start Voltage and Discharge Time Log.

### ■ Voltage Measurement Section ( $V_o$ , $V_L$ )

<b>AC Monitor Output</b>	<b>Gain</b>	1/1000
	<b>Accuracy</b>	$\pm 3\%$ of the Full Scale*1
<b>Indicator</b>	<b>Display Range</b>	As-114B : 0 to 3000Vrms, 0 to 9999Vp-p As-128: 0 to 4000Vrms, 0 to 9999Vp-p As-130: 0 to 6000Vrms, 0 to 9999Vp-p
	<b>Accuracy</b>	$\pm 3\%$ of the Full Scale

### ■ Current Measurement Section ( $I_L$ )

<b>AC Monitor Output</b>	<b>Gain</b>	1Vrms/10mArms
	<b>Accuracy</b>	$\pm 3\%$ of the Full Scale
<b>Indicator</b>	<b>Display Range</b>	0 to 20.00mArms
	<b>Accuracy</b>	$\pm 3\%$ of the 20mArms

### ■ CCFL Test Bench

<b>Acceptable Lamp*2 Dimension</b>	As-114B : 50mm to 1200mm As-128: 50mm to 1500mm As-130: 50mm to 1500mm
<b>External Inverter</b>	Voltage and Current can be Measured by Using an

**Connection**

External Inverter.

**■ General Items**

Power Supply		AC 100V(AC110V, 200V or 220V is Available) $\pm 10\%$ , 48Hz to 62Hz
Power Consumption		As-114B : 600VA or Lower, As-128 : 800VA or Lower, As-130: 1000VA or Lower
Operating Temperature/ Humidity	Main Unit	0 to +40°C, 10 to 85% RH
	CCFL Test Bench	-25°C*3 to +105°C, 0 to 95% RH Maximum Wet Bulb Temperature: 38°C
GPIB Interface		Reads $V_o$ , $V_{R\ell}$ , and $I_{\ell}$ values, Switches among CV, CC, and Vds Modes, Switches $V_{\ell}$ rms/p-p, Turns On/Off High Voltage Output
Shock Guard Function		The High Voltage Output is Cut Off When the CCFL Test Bench Cover is Opened.
Withstand Voltage		Between Power Input Pairs and Others: AC 1500V, 1 Minute
Insulating Resistance		Between Power Input Pairs and Others: 50M $\omega$ or Higher at DC 500V

\*1 : The Full Scale Value : 3Vrms with As-114B, 4Vrms with As-128, 6Vrms with As-130.  
The Ooutput Voltage is Calibrated with Our High Voltage Divider.

\*2 : CCFL Test Bench can be Manufactured According to Customer's Request of CCFL's Length and Shape.

\*3 : We can also Make a Test Bench That Functions at -30°C.