

Suitable for high current measurement of power devices

SS-280A Series

Max. frequency **30MHz**, Temperature Range **-40°C to 125°C**, Max. Peak Voltage **12kV**, Cable length **1.5m**

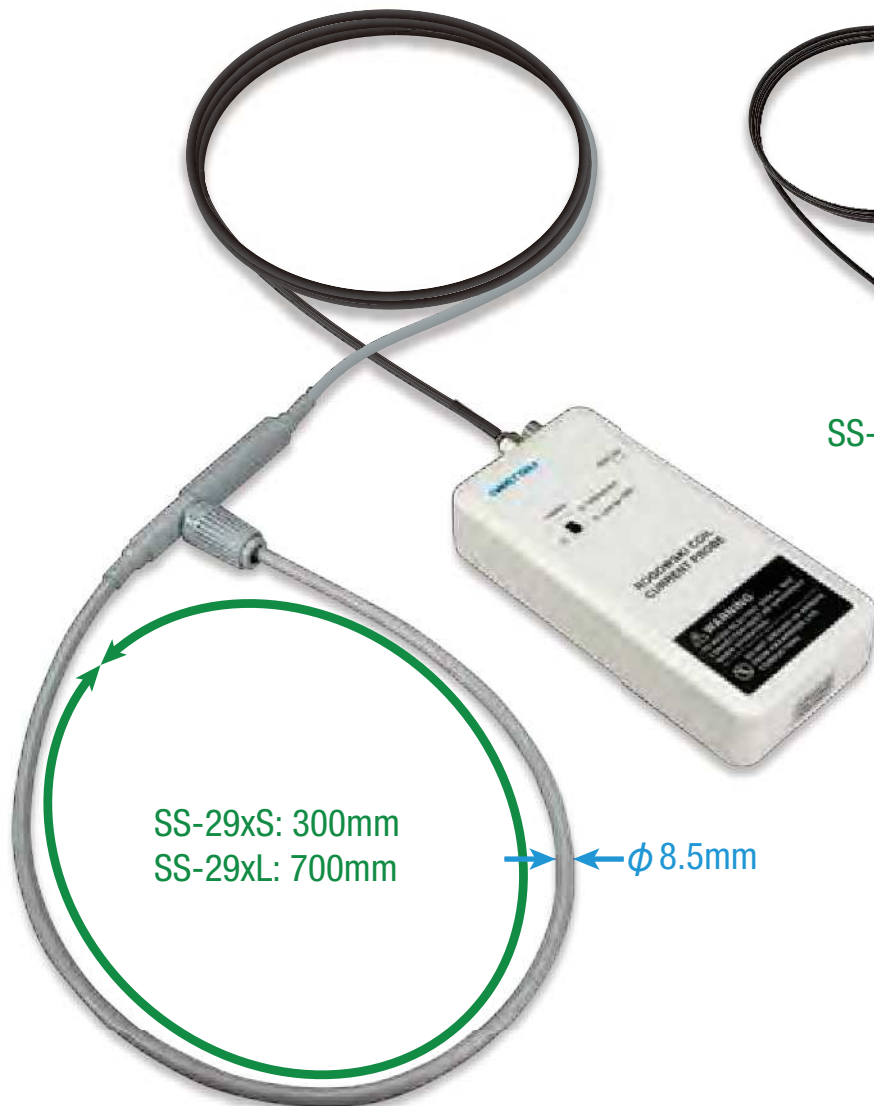
30A peak SS-281A	60A peak SS-282A	120A peak SS-283A	300A peak SS-284A	600A peak SS-285A	1,200A peak SS-286A	3,000A peak SS-287A	6,000A peak SS-288A (Made to order)	12,000A peak SS-289A (Made to order)
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SS-290 Series

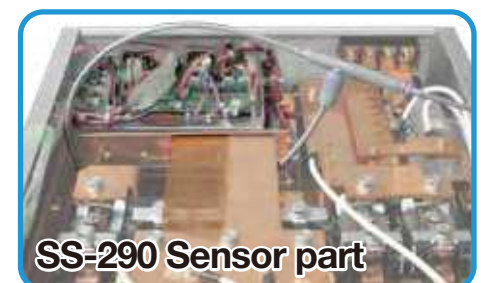
Max. frequency **20MHz**(SS-290S) / **10MHz**(SS-290L), Temperature Range **-40°C to 125°C**, Max. Peak Voltage **12kV**, Cable length **3m**

1,200A peak SS-293S / SS-293L	3,000A peak SS-294S / SS-294L	6,000A peak SS-295S / SS-295L	12,000A peak SS-296S / SS-296L
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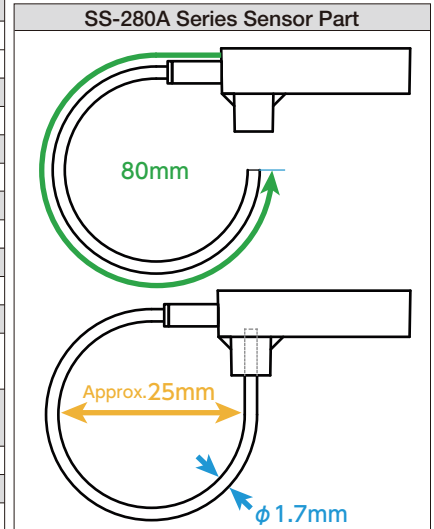
SS-290 Series



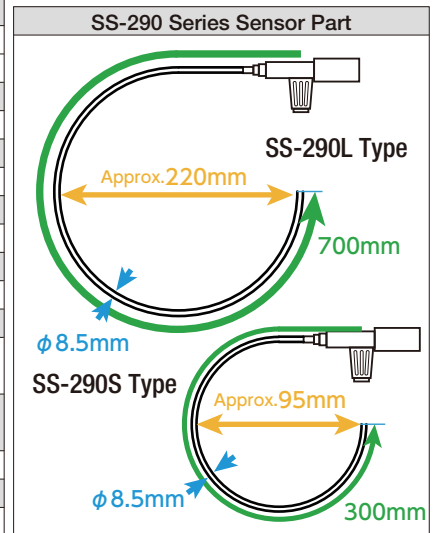
SS-280A Series



SS-280A Series Specifications										
Model	Frequency Bandwidth	Sensor part temperature range	Sensitivity [mV/A]	Peak Current [A]	Peak di/dt [kA/μs]	Cut-off frequency f _L [Hz]	Noise [mV rms]	Absolute Maximum di/dt		
								Peak[kA/μs]	RMS[kA/μs]	
Sensitivity and peak current	SS-281A	f _i to 30MHz[-3dB] f _i : lower cut-off frequency	-40°C to 125°C	200	30	2	110	3.5	80	1
	SS-282A			100	60	4	65	2.5		
	SS-283A			50	120	8	32	2		
	SS-284A			20	300	20	9	1.8		
	SS-285A			10	600	40	6			
	SS-286A			5	1200	80	3	1.4		
	SS-287A			2	3000	80	2			
	SS-288A			1	6000					
SS-289A	0.5	12000							2	
Accuracy		±2%(-10°C to 70°C add ±250ppm/°C when out of the range in the left)								
Output	Connector Type	Connector : BNC								
	Voltage	±6V(load ≥ 100kΩ) * Output becomes ±2V and sensitivity becomes about the half for 50Ω load.								
Typical Linearity		±0.05% of full-scale								
Zero Point Adjustment Ranges		±300mV or more								
Coil (Sensor Part)	Coil Length	80mm±5mm (60mm coil length is also available. Please ask our sales office.)								
	Coil Thickness	Max. 1.7mm								
	Peak Voltage Isolation	1.2kV peak , 1.0kV peak (CAT II)								
	Cable Length	1.5m ±50mm								
	Temperature Range	-40°C to 125°C(Including sensor and cable)								
Mainframe (Amplifier)	Dimensions	Approx. 80(W) x 165(H) x 35(D) mm (Without the external projection portion)								
	Weight	Approx. 0.37kg								
	Power Supply	Four AA dry batteries, Approx. 18 hours with alkaline batteries								
	Accessories	BNC Cable (1), Instruction Manual(1), Screw Driver(1), Hand Case(1), AA dry batteries(4)								
Environmental conditions	Operating temp. and humidity	0°C to 40°C, 80%RH or less(Except for the sensor)								
	Storage temp. and humidity	-10°C to 60°C, 80%RH or less								
	Operating Altitude	≤ 2,000m at ≤ 25 °C								



SS-290 Series Specifications										
Model	Frequency Bandwidth	Sensor part temperature range	Sensitivity [mV/A]	Peak Current [kA]	Peak di/dt [kA/μs]	LF cut off frequency f _L [Hz]	Noise [mV rms]	Absolute Maximum di/dt		
								Peak[kA/μs]	RMS[kA/μs]	
Sensitivity and peak current	SS-293S	SS-290S : f _i to 20MHz[-3dB] SS-290L : f _i to 10MHz[-3dB] f _i : lower cut-off frequency	-40°C to 125°C	5	1.2	60	1	3.5	80	3.0
	SS-293L					32				
	SS-294S			2	3	80	0.8	2.0		
	SS-294L									
	SS-295S			1	6	0.6	1.4			
	SS-295L									
	SS-296S			0.5	12	0.4	1.2			
SS-296L										
Accuracy		±2%(-10°C to 60°C add ±300ppm/°C when out of the range in the left)								
Output	Connector Type	Connector : BNC								
	Voltage	±6V(load ≥ 100kΩ)								
Typical Linearity		±0.05% of full-scale								
Zero Point Adjustment Ranges		±300mV or more								
Coil (Sensor Part)	Coil Length	SS-290S : 300mm±10mm, SS-290L : 700mm±10mm								
	Coil Thickness	Max. 8.5mm								
	Peak Voltage Isolation	10kV peak								
	Cable Length	3.0m ±100mm								
	Temperature Range	-40°C to 125°C(Including sensor and cable)								
Mainframe (Amplifier)	Dimensions	Approx. 80(W) x 165(H) x 35(D) mm (Without the external projection portion)								
	Weight	SS-290S : Approx. 0.48kg, SS-290L : Approx. 0.5kg								
	Power Supply	Four AA dry batteries, Approx. 30 hours with alkaline batteries								
	Accessories	BNC Cable (1), Instruction Manual(1), Screw Driver(1), Hand Case(1), AA dry batteries : (4)								
Environmental conditions	Operating temp. and humidity	0°C to 40°C, 80%RH or less(Except for the sensor)								
	Storage temp. and humidity	-10°C to 60°C, 80%RH or less								
	Operating Altitude	≤ 2,000m at ≤ 25 °C								



※ The products shown in this catalogue are current models at the date of publication. Design and specification are subject to change without notice for improvement.
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