

SS-282

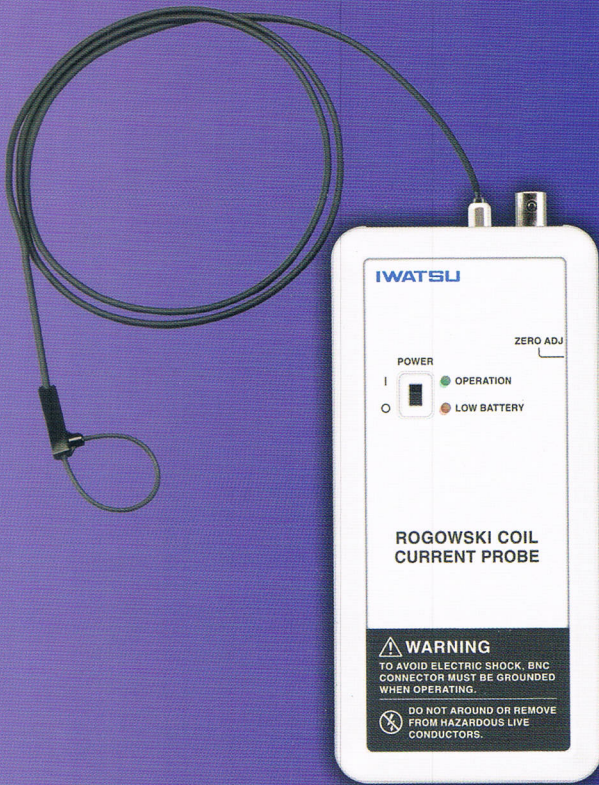
60Apk, 20MHz (AC), 1.2kVpk

SS-283

120Apk, 20MHz (AC), 1.2kVpk

SS-284

300Apk, 20MHz (AC), 1.2kVpk



Ideal for measuring high current power devices

Features

- Wide Bandwidth 9Hz*1- 20MHz
- Peak voltage isolation 1.2kV
- Flexible coil current probe for probing Power Devices
- Zero adjustment
- Three models, peak current of 60A/120A/300A*2 are available

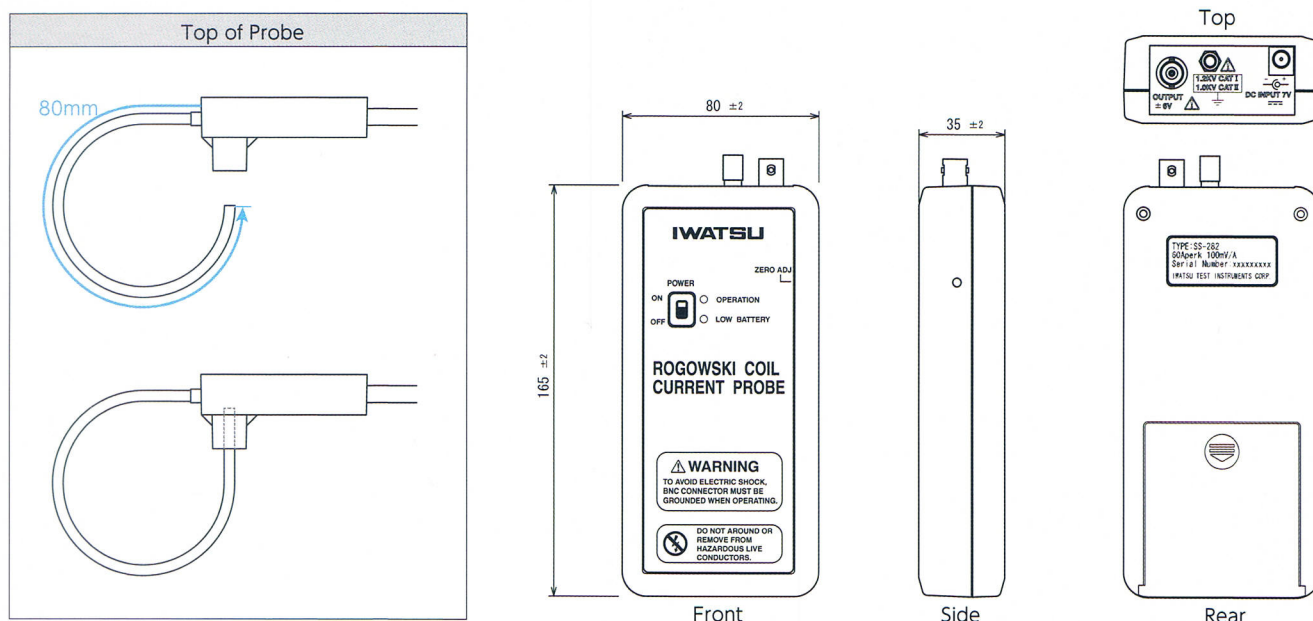
*1 The case of SS-284 *2 Available in the near future

Applications

- Simultaneous measurements of the inverter's switching current waveform and voltage pulse response
- AC current measurements with large DC offset
- Impulse high current measurements for Bus Bar



External view



Specifications

Basic Specifications

Sensitivity and peak current rating		Model	Sensitivity [mV/A]	Peak Current [A]	peak di/dt [kA/μs]	LF cut off fL [Hz]	Noise [mV rms]	Absolute Maximum rating of di/dt @70℃		
		SS-281*1	*1	30	*1				Peak [kA/μs]	RMS [kA/μs]
		SS-282	100	60	3	65	1.8	25	1	
		SS-283	50	120	6	32				
		SS-284	20	300	15	9				2
SS-285*1	*1	600	*1							
Frequency Bandwidth		fL ~ 20MHz [-3dB]			fL: Low Frequency (-3dB) bandwidth					
Accuracy		±2%								
Output	Connector Type	BNC								
	Max. Output Voltage	±6V (Termination ≥ 100kΩ) ※± 2V at 50Ω								
Typical Linearity		±0.05% of full-scale								
zero adjustment ranges		±300mV or more								
Coil (Sensor)										
Coil Length		Approx. 80mm								
Coil thickness		Approx. 1.7mm								
Peak Voltage Isolation		1.2kVpeak								
Temperature Range (operation)		-10℃ ~ +70℃								
Mainframe (Amplifier Box)										
Size		Approx. 80(W)×165(H)×35(D) mm w(ithout the external projection portion)								
Cable Length		Approx. 1m								
Weight		Approx. 0.35kg								
Power supply		4 - 1.5V AA type 12H typ, Alkaline batteries (Termination ≥ 100kΩ)								
Accessories		BNC 50Ω cable (1), Manual (1), Driver for adjustment (1)								
		Carry case (1), AA alkaline batteries : (4)								
Environmental conditions										
Operating temperature and humidity ranges		0℃ ~ +40℃, 80%RH or less (Except for the sensor)								
Storage temperature and humidity ranges		-10℃ ~ +60℃, 80%RH or less								
Operating elevation		≤2,000m								

*1 Available in the near future

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