



Damping Sine Transient Signal Generator

DOS-CS116-9

- GJB 151A-97
- GJB 151B-2013
- MIL-STD-461 E/F/G

Features

- > 5.7-inch color touch screen front panel operation;
- > Compliant with CS116 standards in GJB 151A-97, GJB 151B-2013, and MIL-STD-461 E/F/G;
- > Nine frequencies from 10kHz to 100MHz;
- > 9-in-1 output port, easy to operate.

Introduction

The DOS-CS116-9 damping sine transient signal generator is a high-end generator specially designed to meet the standards GJB 151A-97 CS116, GJB 151B-2013 CS116, and MIL-STD-461E/F/G CS116. This generator can generate 9 types of damped sine (cosine) waveforms with frequencies ranging from 10kHz to 100MHz. Conducted sensitivity tests on interconnecting cables and power cables for all aircraft, surface vessels, submarines, space and ground systems.

Application Areas



Warship



Military

Technical Parameters

Oscillation Frequency ($\pm 10\%$)	10 kHz、30 kHz、100 kHz、300 kHz、1 MHz、3 MHz、10 MHz、30 MHz、100 MHz	
Maximum Test Current (Loop impedance 100 Ω)	10 kHz	>0.1 A
	30 kHz	>0.3 A
	100 kHz	>1 A
	300 kHz	>3 A
	1 MHz	>10 A
	3 MHz	>10 A
	10 MHz	>10 A
	30 MHz	>10 A
100 MHz	>3 A	
Output impedance	<100 Ω	
Damping Factor (Q)	15 \pm 5	
Repetition Rate	0.5~ 9 s	







General Parameters

Display	5.7-inch TFT touch screen
Scope of Working Power Supply	AC 220 V, $\pm 10\%$, 50 Hz ($\pm 5\%$)
Fuse	6 A
Maximum Power Consumption	200 W
Chassis Size	620 * 450 * 280 mm (6U chassis)
Weight	About 26.5 kg
Ambient Temperature	15 $^{\circ}$ C ~ 35 $^{\circ}$ C
Relative Humidity	45% - 75%
Atmospheric Pressure	86 kPa - 106 kPa

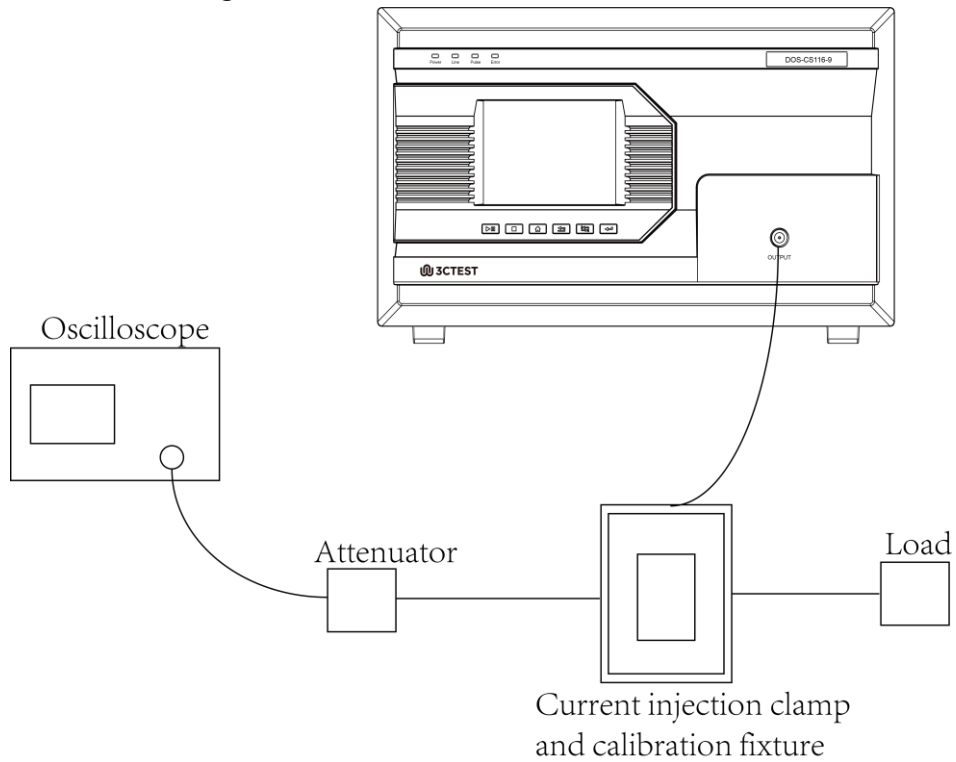
Standard Accessories

Host, Instruction Manual, Testing Report, Quality Assurance Certificate, Testing Wire, Power Cord, Grounding Wire, Fuse.

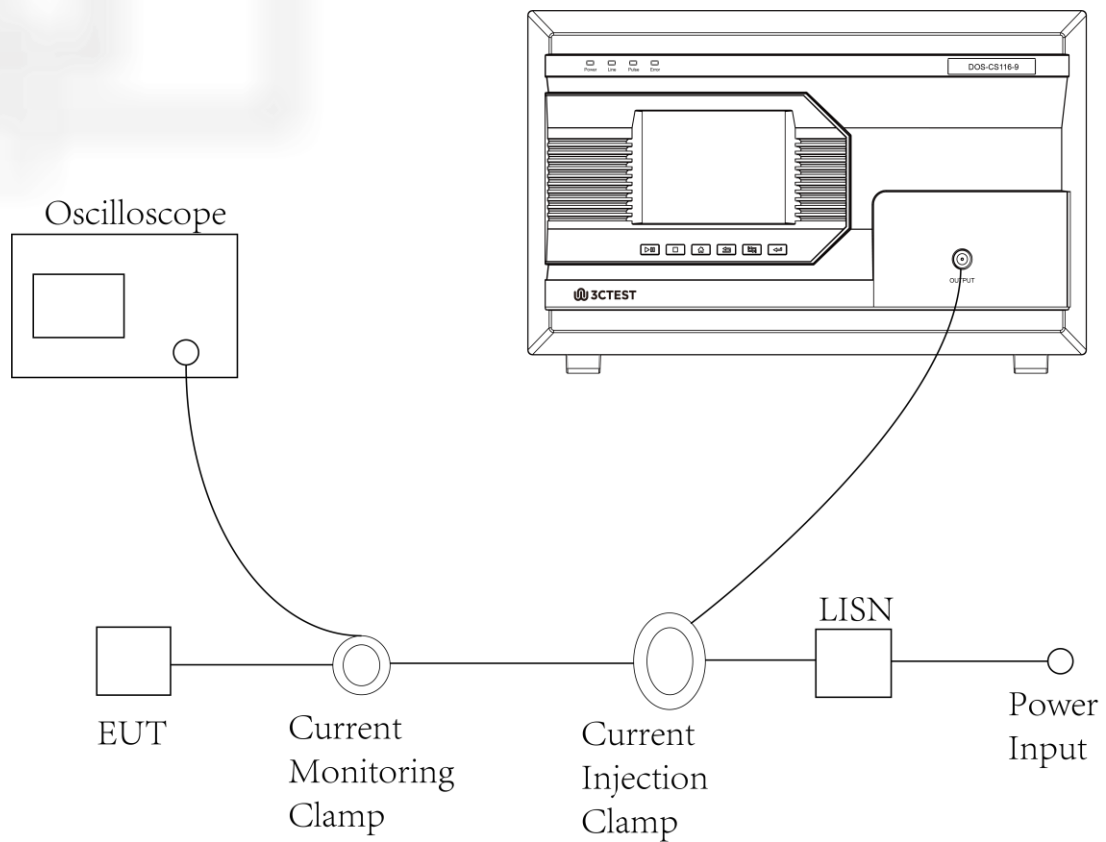
Optional Accessories

Current injection clamp and calibration clamp	
Option 1. Current injection clamp BCIP-200 and calibration clamp BCICF-200 	Frequency range :10 kHz ~ 200 MHz Inner diameter ϕ 40 mm
Note: This generator only matches BCIP-200 and BCICF-200 and FCC related products.	
1. High voltage coaxial load HCL 50N 	50 Ω 5 W DC-200 MHz
2. Attenuator TFB 100 	40 \pm 1.5 dB 5 W DC-400 MHz
3. Broadband current monitoring clamp TWCM-200 	Frequency range 10 kHz-200 MHz Inner diameter ϕ 40 mm
4. LISN J50 	Maximum continuous current 50 A Impedance 50 μ H + 5 Ω 50 Ω
5. LISN J200 	Maximum continuous current 200 A Impedance 50 μ H + 5 Ω 50 Ω

Calibration Connection Diagram:



Typical test connection diagram:



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