

Low-Frequency Power Amplifier – LFS 800

Datasheet



In Compliance with

- ISO 11452-8
- MIL-STD-461E/F/G
- GJB 151A/B RS101

Introduction

Low-frequency power amplifier LFS 800 can generate sine wave, non-sine wave, customized signal, and magnetic field (if used together with radiation coils or Helmholtz coils).

Features

- High capacity: sine wave max frequency 250 kHz; output voltage max 120 V p-p, 42 V SRM; output current max 21 A SRM;
- Built-in low-frequency amplifier of 800 W;
- Adjustable DC bias voltage;
- Control software: AutoLab;
- Optional integrated voltage meter (10 Hz – 250 kHz)

Application Areas

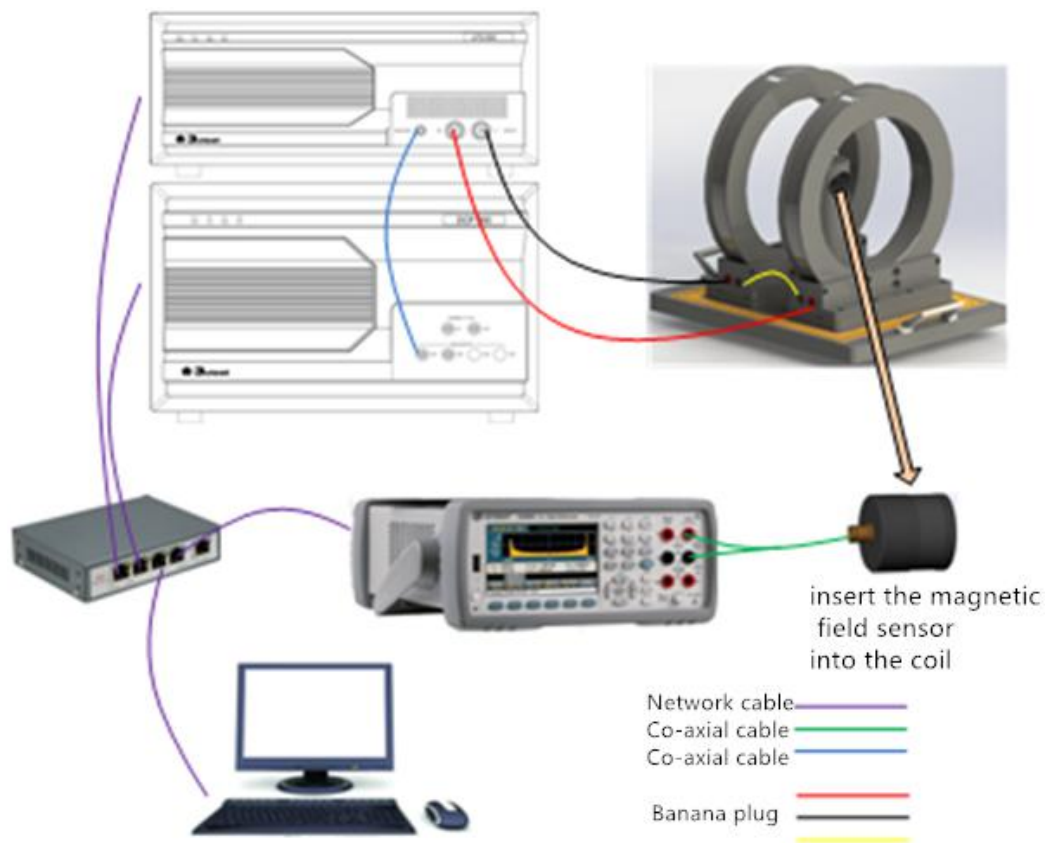
- Military;
- Automotives;

Technical Parameters		
	Power Amplifier - LFS 800	Signal Source – DCP 800
Frequency Range	DC 250 kHz	DC 250 kHz (sine wave)
Output Power	800 W	/
Output Voltage	120 V p-p, 42 V RMS;	± 10 V
Output Current	Max 30 A (RMS of max current 21 A)	/
Output Impedance	30 m Ω at 1 kHz	/
Protection System	Short-circuit protection, superheating protection;	/
DC Bias Voltage	/	0 – 10 V adjustable, in control of external DC amplifier

General Parameters	
Power Supply	AC 110 V / 220 V, 50 / 60 Hz
Input Power	Max 500 W
Operating Temp.	15°C - 35°C
Operating Humidity	45% - 75%
Dimension	4 U + 6 U
Weight	Approx. 18 kg

Standard Accessories				
1	Radiation ring	TBR 100	1 pc	According to Ford EMC-CS:2009.1, RI 140
2	Magnetic field sensor	TBM 100	1 pc	To measure magnetic field strength
3	AC Helmholtz coil	TYXH 03100	1 pc	Frequency range: 15 Hz – 150 kHz; Max magnetic field strength: $\geq 1,000$ A/m at 1 kHz; ≥ 10 A/m at 150 kHz;
4	DC Helmholtz coil	TYXH 1300	1 pc	Frequency range: DC; Max magnetic field strength: $\geq 3,000$ A/m at 1 kHz;
5	Digital multimeter	34465A	1 pc	/
6	Magnetic field probe support	TBZJ	1 pc	/
7	Quality Guarantee	/	1 pc	/
8	Factory Inspection Report	/	1 pc	/
9	User Manual	/	1 pc	/

Equipment Connection Diagram





SUZHOU 3CTEST ELECTRONIC CO., LTD.

Add.: No. 99 E'meishan Road, SND, Suzhou, Jiangsu Province, China

Tel: +86 (0)512 6807 7192 Fax: +86-512-68079795

Sales Email: globalsales@3ctest.cn Service Email: service@3ctest.cn

www.3c-test.com