

Normal Mode Balun Model: 15-00013A

1. Purpose

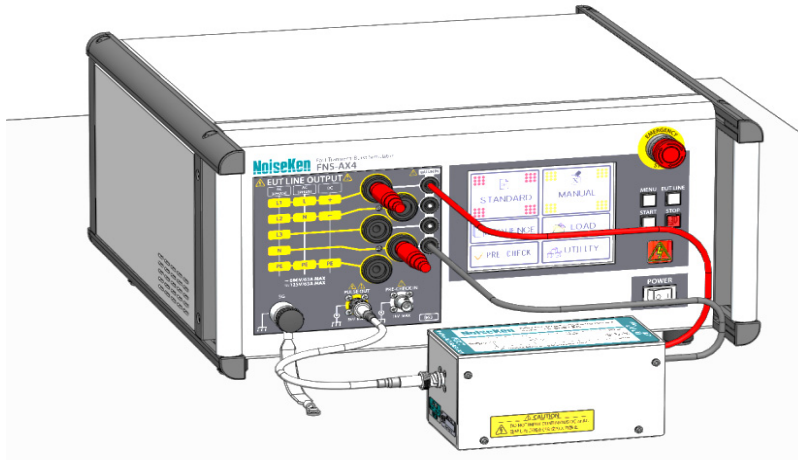
IEC61000-4-4 standard has the provision of the common mode test only, but noise may enter the equipment in the normal mode in the field and malfunction may occur. ANSI C37.90.1 standard specifies for corresponding normal mode noise testing. FNS-AX4 can now perform the normal mode test complying with ANSI C 37.90.1 standard with an optional dedicated normal mode coupling balun.

2. Specifications

Item	Specifications
Input pulses	EFT/B
Input pulse voltage	5000V MAX
Coupling capacitor	66nF per line
The EUT power line voltage	Up to AC/DC 600V
Input port connector	NMHV connector
Output port connector	φ4mm safety socket x 2
Dimensions	W85 x H85 x D178 mm
Weight	570g

3. Connection

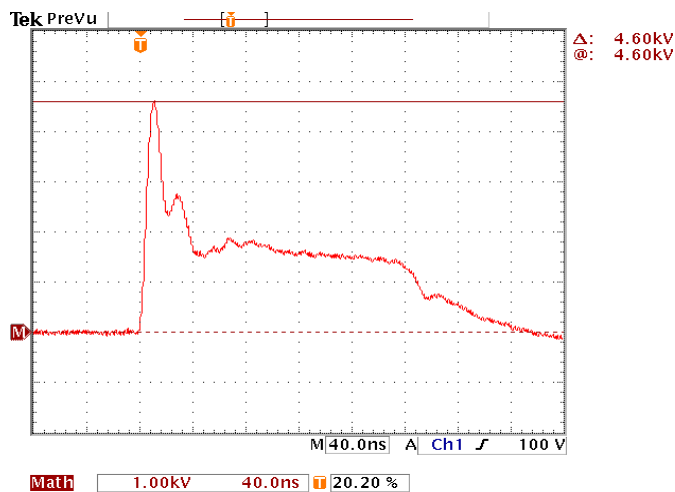
- ① Confirm the simulator is in power off state.
- ② Connect Pulse OUTPUT connector **【PULSE OUT】** and Normal Mode Coupling Balun INPUT terminal **【INPUT】** with the coaxial cable attached as an included accessory of Normal Mode Coupling Balun (15-00013A)
- ③ The OUTPUT ports of normal mode coupling balun 15-00013A shall be connected to BALUN IN ports on the simulator front panel. A BALUN IN port connected to the HIGH OUTPUT of 15-00013A balun is the injection (coupling) line and BALUN IN port connected to the LOW OUTPUT is the return line.



An example of connection for normal mode test

4. Waveform measurement

- ① Connect 15-00013A to the simulator. And connect two high voltage probes to the injection port / return port of the EUT line output connector [EUT LINE OUTPUT] of the simulator.
- ② Measure waveform in a differential mode.



Normal mode pulse waveform measurement example