

E1 Suitcase: MIL-STD 188-125 Source



Model Number: SPG-188125-E1-A

APELC's E1 Suitcase provides a 1kA pulse using an inductive coupler and up to 2kA with direct injection. These current levels satisfy several of the requirements in MIL-STD 188-125-1 (fixed systems), and most of MIL-STD 188-125-2 (mobile systems). The suitcase is operated using a handheld fiber-optic remote control and includes a calibration fixture which uses a current transformer with NIST traceable components.

MIL-STD 188-125 establishes minimum requirements and design objectives for high-altitude electromagnetic pulse (HEMP) hardening of fixed ground-based facilities that perform critical, time-urgent command, control, communications, computer, and intelligence (C4I) missions.

Refer to the latest published standard for any information regarding the MIL-STD-188-125. Safe operating principles for high voltage and high current should be followed at all times when using the E1 suitcase. Operators must abide by the authority having jurisdiction at the end-user facility.

Key Features

■ Construction

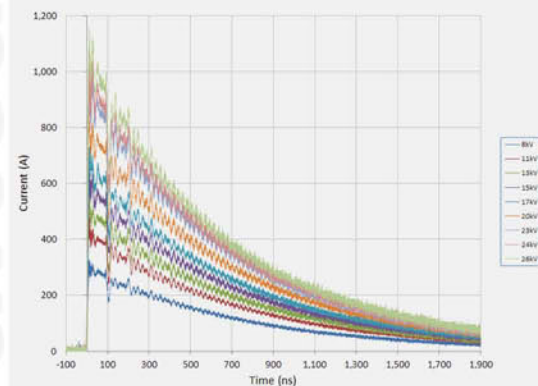
Impact resistant, weather tight, protective case with casters. Rugged internal construction and logical controls

■ Versatility

On-board battery and air supply for portable operation. Direct inject or inductive coupling options

■ Specifications

Specification	Value
Size	24.6 x 19.7 x 8.6in (62 x 50 x 22cm)
Weight	90lbs (40.8kg)
Peak Output Current	2 kA
Peak Output Voltage	46 kV
Energy Per Pulse	10.5 J
Rise-Time	<20 ns
Pulse-Width (FWHM)	500-550 ns



Direct Inject Current vs. Time