

Dummy load resistor box

The dummy load is used as acceptance test load resistance for the conducted susceptibility testing according to MIL-STD-188-125. The ohmic value of the PCI acceptance test internal load resistor for all classes of electrical POEs is defined by the different tables provided by the standards MIL-STD-188-125-1 and -2. Four values of resistance are available.



SPECIFICATIONS

Type	TLB4
Standard	MIL-STD188-125-1 and -2 / Pulse Current Injection
Resistance values	0.2 Ω , 0.5 Ω , 2 Ω and 50 Ω , $\pm 10\%$
Energy	16.5 kJ
Peak voltage (20/500 ns)	Up to 30 kV (to earth)
Power	70 W
Connectors	Screw terminals + banana 4 mm
Fixing possibility	One 1/4" x 20 UNC thread and two plastic rings
Dimensions (L x W x H)	41 x 21 x 22 cm
Weight	7.9 kg

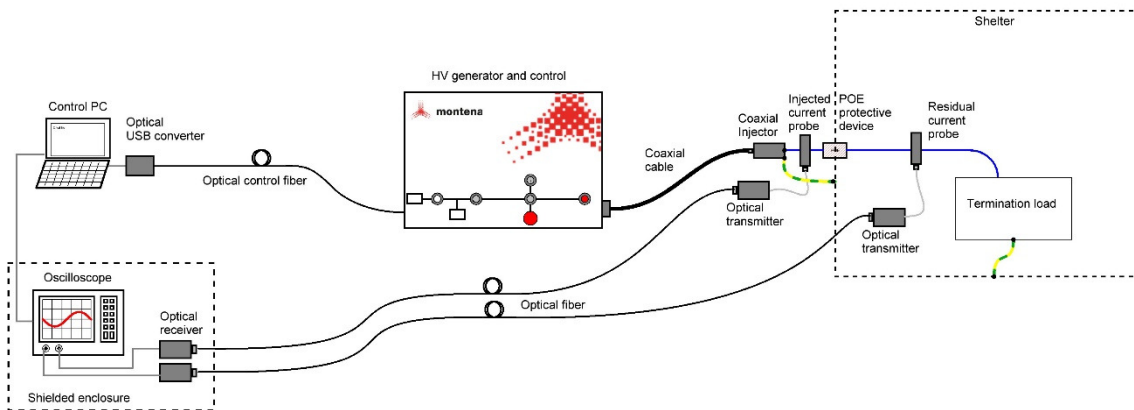
Typical test setup

Acceptance test setup

The pulse generator delivers the high current pulses into the protecting device under test. A dummy load resistor box is connected behind the protecting device to simulate a typical network load.

A current sensor measures the injected current pulse before the protecting device and another probe measures the residual current behind the protecting device.

In order to ensure a correct measurement, the current probes are connected with fiber optic links and the measurement equipment is installed in a shielded enclosure.



Ordering information

TYPE	ECCN	DESCRIPTION
TLB4	EAR99	Dummy load resistor box containing 0.5, 1, 2 and 50 ohm resistors, banana + screw connectors