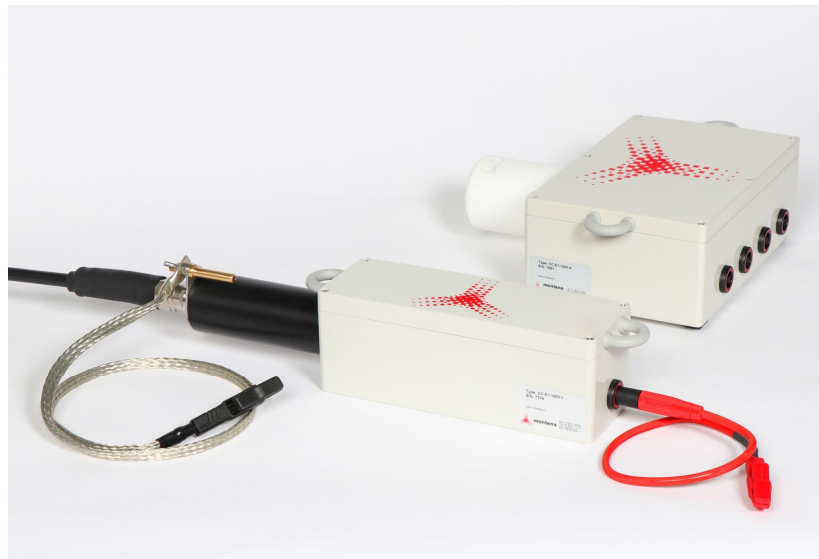


PCI - Short Pulse Capacitive couplers

The capacitive coupling boxes are used for the conducted susceptibility testing according to MIL-STD-188-125 with the PCI short pulse generator PPG-E1-1200. The couplers isolate the generator when connected to signal or power lines for the injection of PCI. Due to the light weight and small dimensions, the capacitive couplers can be easily placed close to the line to test. They have one 1/4" x 20 UNC thread and two plastic rings to hold the coupler in place during the test. A set of injection cables with different lengths and terminations is provided for the connection with the protective device under test. The couplers are directly mounted on the termination of PPG-E1-1200 generator HV output cable.



SPECIFICATIONS

Type	CC-E1-1200-1	CC-E1-1200-4
Standard	MIL-STD188-125-1 and -2 / Pulse Current Injection	
Nominal voltage (DC - 400 Hz)	230 V (voltage between ground and phase) 400 V (voltage between phases)	
Max peak current (short circuit)	1.5 kA	
Max input voltage	18 kV (to earth)	
Number of outputs	1 output	4 outputs
Output connectors	type Multicontact	
Fixing possibility	One 1/4" x 20 UNC thread under the box	
Dimensions (L x W x H)	28 x 8 x 8 cm	31 x 27 x 9 cm
Weight	0.75 kg	2.7 kg

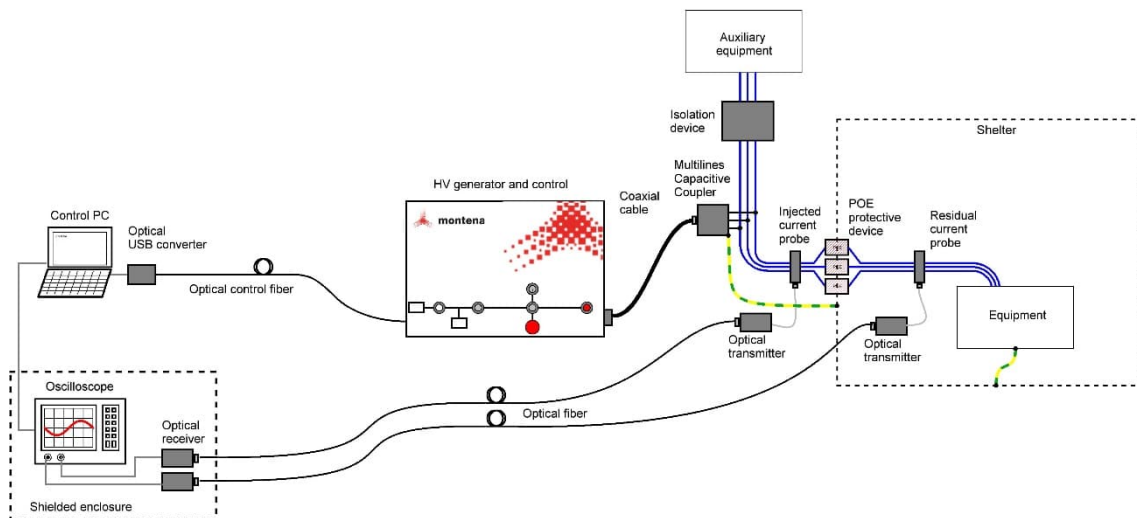
Typical test setup

Common mode verification setup

The pulse generator delivers the high current pulses into the cable under test in a common mode through the capacitive couplers.

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

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	DESCRIPTION
CC-E1-1200-1	MIL-STD 188-125, E1 (early time) capacitive / varistor coupler, single output, to be used with the PPG-E1-1200 generator, with a set of connecting cables
CC-E1-1200-4	MIL-STD 188-125, E1 (early time) capacitive / varistor coupler, 4 outputs, to be used with the PPG-E1-1200 generator, with a set of connecting cables