



## Terminal Protection Device



This terminal protection device (TPD) is specially designed for the protection of the equipment during the NEMP test according to MIL-STD-461 / RS105. It allows also the measurement of the conducted disturbances. The cabinet is composed of 2 LISN channels for the connection and measurement of 2 phases or 1 phase / 1 neutral. Two devices can be used for 3 phases power supply (3 P + N). The mains side is filtered with a feedthrough capacitor and allows the connection of a 33 to 37 mm diameter shielded 3 wires cables (included). The continuous current capability is up to 100 A. The cabinet is easy to move and the connexion is simple. The connection to the ground can be made either with the 4 metallic feet or with the yellow-green ground plug. A 20 m shielded cable can be separately ordered for the connection to the mains supply (ref. no CA-TPD20).

### SPECIFICATIONS

<b>Type</b>	<b>TPD100</b>
<b>Maximum current</b>	100 A (continuous)
<b>Phase number</b>	2
<b>Maximum voltage</b>	230 V ( 50 Hz) 125 V (400 Hz)
<b>Impedance</b>	50 $\Omega$ // 50 $\mu$ H $\pm$ 20 %
<b>Standard</b>	MIL-Std 462 D and 461E / F
<b>Frequency range</b>	10 kHz – 100 MHz
<b>Mains connector (EUT side)</b>	wing plugs M8
<b>Mains connector (mains side)</b>	internal screws M8
<b>Cable gland type</b>	PG 48
<b>Shielded cable (outside <math>\varnothing</math>)</b>	33 to 37 mm
<b>Feedthrough capacitors</b>	90 nF / 250 Vac
<b>Signal connector</b>	N 50 $\Omega$
<b>Dimensions (L x W x H)</b>	48 x 41 x 24 cm
<b>Weight</b>	16.7 kg

*Other models are available on request.*