



## Stripline 50 Ohm



Striplines are a variation of TEM lines which allows an application of electromagnetic fields with a good homogeneity in the test volume. Our striplines are designed for immunity tests on automotive devices according to the standards ISO 11452-5 and SAE J1113-23. The two available standard models have an impedance of respectively 50 and 90  $\Omega$  (see the datasheet of the 90  $\Omega$  version on next page). The stripline is fixed on a table and is easy to move. The table can be sloped vertically in order to reduce the width. It is also possible to easily divide the stripline in two parts for the storage or during the transport. It is the only stripline on the market able to carry out test up to 1 GHz with excellent return loss.

### **SPECIFICATIONS: 50 $\Omega$ VERSION**

<b>Frequency range</b>	0 to 1 GHz
<b>Maximum input power</b>	1 kW continuous
<b>Wave impedance</b>	377 $\Omega$
<b>Impedance</b>	50 $\Omega$ +/- < 5 $\Omega$
<b>VSWR</b>	better than 1.25
<b>Return loss</b>	better than 20 dB
<b>Connector type</b>	N 50 $\Omega$
<b>Field homogeneity</b>	about 2 x 0.37 x 0.05 m (L x W x H)
<b>Height of the septum</b>	15 cm over ground plane
<b>Height of the table</b>	90 cm
<b>Size (L x W x H)</b>	430 x 150 x 105 cm (service position) 2 * 215 x 85 x 165 cm (storage)
<b>Weight</b>	about 140 kg

*The following options are available: - other height under the septum  
- filter box.*



## Stripline 90 Ohm



This stripline 90  $\Omega$  is designed for immunity tests on automotive devices according to the standards ISO 11452-5 and SAE J1113-23. The stripline is easy to move and it is possible to pivot the table in order to reduce the width of the equipment. It is the only stripline 90  $\Omega$  on the market able to carry out test up to 1 GHz with an excellent return loss. An impedance adapter 50 - 90  $\Omega$  is available as an option.

### SPECIFICATIONS: 90 $\Omega$ VERSION

<b>Frequency range</b>	0 to 1 GHz
<b>Maximum input power</b>	> 200 W continuous
<b>Wave impedance</b>	377 $\Omega$
<b>Impedance of the line</b>	90 $\Omega$
<b>Return loss (with adapter 50 - 90 <math>\Omega</math>)</b>	> 14 dB up to 100 MHz > 10 dB up to 1 GHz
<b>Connector type</b>	N 75 $\Omega$
<b>Height of the septum</b>	15 cm over ground plane
<b>Height of the table</b>	80 cm
<b>Size (L x W x H)</b>	350 x 90 x 95 cm
<b>Weight</b>	about 70 kg

*The following options are available:*

- impedance adapter 50 - 90  $\Omega$  / 100 W
- filter box
- other height under the septum