The AMN - Artificial Mains Network, also known as LISN - Line Impedance Stabilization Network - is the ancilliary device intended for repeatable and accurate measurement of the disturbance voltage that an EUT (Equipment Under Test) may inject into the power line or mains. This is obtained by providing well known impedance value and phase response across the frequency range of the test.

PMM L2-16B is suitable for measurement on AC single phase and DC power circuits from DC to 60 Hz. The equivalent V-Network circuit of $50 \, \Omega \parallel (5 \, \Omega + 50 \, \mu H)$ with 250µH choke is fully compliant with the reference standards. PMM Artificial Mains Networks provide robust and stable mechanical construction, high quality electric components, easy and perfect grounding, solid input-output power connections. They can be used in conjunction with any EMI receiver or spectrum analyzer and offer features required for safe, repeatable and accurate measurements.
L2-16B
Two Lines Single Phase V-Network 9 kHz - 30 MHz, 16 A for AC and DC powered EUT

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency range</td>
<td>9 kHz - 30 MHz</td>
</tr>
<tr>
<td>Continuous rated output current</td>
<td>16 A</td>
</tr>
<tr>
<td>Maximum permissible operating</td>
<td>250 VAC</td>
</tr>
<tr>
<td>voltage (L/N) L/PE)</td>
<td>350 VDC</td>
</tr>
<tr>
<td>AC supply frequency range</td>
<td>DC - 60 Hz</td>
</tr>
<tr>
<td>Equivalent circuit</td>
<td>50 Ω // [5 Ω + 50 µH] with 250µH choke</td>
</tr>
<tr>
<td>RF output</td>
<td>BNC female</td>
</tr>
<tr>
<td>Test item</td>
<td>SCHUKO connector</td>
</tr>
<tr>
<td>Rated temperature</td>
<td>-10 °C to +45 °C</td>
</tr>
<tr>
<td>Storage temperature</td>
<td>-25 °C to +75 °C</td>
</tr>
<tr>
<td>Overall Dimensions (W x H x D)</td>
<td>230 x 105 x 285 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>5,5 kg</td>
</tr>
</tbody>
</table>

**Ordering Information:**
L2-16B single phase Artificial Mains Network includes:
- power supply cable
- RF cable
- LISN remote control cable
- user's manual, calibration certificate.

**Optional accessories:**
LISN service kit
(AC-BNC adapter for LISN verification and calibration)

- Electrical safety and presence of ground protection relays do require the installation of properly rated insulating transformer(s) between mains power line and AMN line inputs.
- High mains noise may require the installation of properly rated mains filters to reduce the level of unwanted signals.

**Related Products**

**Receivers**
- 7010: EMI receiver 150 kHz - 1 GHz
- 9010: EMI receiver 10 Hz - 30 MHz
- 9010F: EMI receiver 10 Hz - 30 MHz
- 9010/03P: EMI receiver 10 Hz - 300 MHz
- 9010/30P: EMI receiver 10 Hz - 3 GHz
- 9010/60P: EMI receiver 10 Hz - 6 GHz

**LISN**
- L3-32: 4 lines, 3-phase AMN, 32 A
- L3-64: 4 lines, 3-phase AMN, 64 A
- L3-64/690: 4 lines, 3-phase AMN, 64A/690V
- L3-100: 4 lines, 3-phase AMN, 100 A
- L3-500: 4 lines, 3-phase AMN, 350 A
- L1-150M: single-path, 50 Ohm etc AMN 150 A
- L1-500 Single phase AMN, 500A
- L2-D: Delta LISN for telecom, 2 A, 150 Ω

**RFI Filters**
- FIL-L2-16F: single phase RFI filter, 16 A
- FIL-L2-24M: single phase RFI filter, 24 A
- FIL-L3-32M: 3-phase+neutral RFI filter, 32 A
- FIL-L3-70M: 3-phase+neutral RFI filter, 70 A