



Electromagnetic Clamp

EM CL 100

■ IEC 61000-4-6

— Features

- > Maximum injection power 100 VA (5 min);
- > Inject Frequency 0.1 MHz ~ 1,000 MHz;
- > Coupling / decoupling direction coefficient >10 dB (>0.1 MHz);
- > Testable cable diameter < 18 mm

— Introduction

The EM CL100 electromagnetic clamp complies with the requirements of IEC 61000-4-6. It is a dedicated device designed to test the immunity of cable assemblies to conducted interference induced by radio-frequency fields.

The clamp injects interference signals into the cable assembly within the slot, allowing the EUT to be tested under the conditions specified by the international standard. Calibration of the electromagnetic clamp requires the use of the calibration accessories included in the kit, and the clamp must be calibrated in accordance with the standard.

— Application Areas



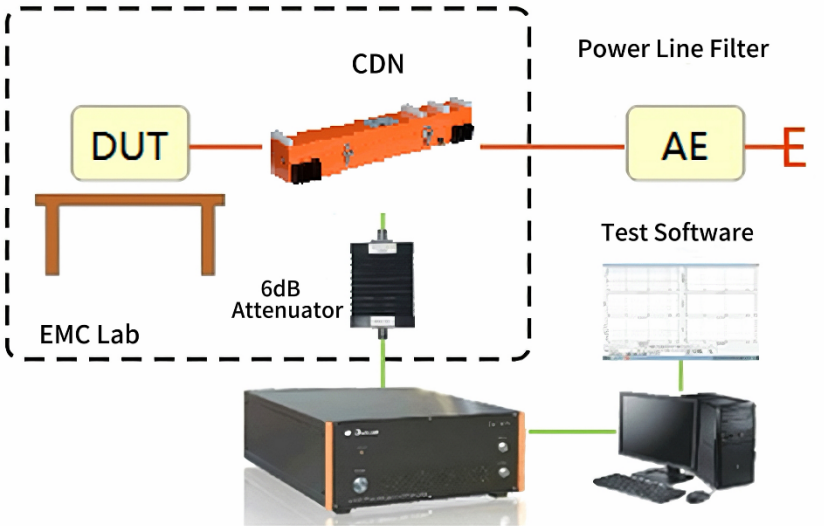
Technical Parameters

Frequency	0.1 Hz ~ 1,000 kHz
Nominal Impedance	50 Ω
Connector Type	N (f)
Max. Input Level	100 VA, 15 min @0.15 Hz ~ 100 MHz 100 VA, 5 min @100 MHz ~ 230 MHz 50 VA, 3 min @230 MHz ~ 1,000 MHz
Max. Cable Diameter	18 mm
Dimension	664 mm (W)*130 mm (H)*128 mm (D)
Weight	7 kg

Standard Accessories

Adapter, BNC 50Ω Coaxial Termination Load, 150/50Ω Calibration Device, Calibration Copper Rod, User Manual

PC-Based Test Connection Schematic



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