

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

ELECTRO-METRICS

Electro-Metrics EM-7823 RF Power Amplifier

The Electro-Metrics EM-7823 is a current probe designed for measuring RF current flowing through cables and conductors. It features a wide frequency range and is suitable for EMI/EMC testing and diagnostics.



MODEL

**Electro-Metrics
EM-7823**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

EM-7823

LISTING

<https://aumictechlabs.com/products/em-7823-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Electro-Metrics EM-7823 is a Line Impedance Stabilization Network (LISN) designed for isolating an electrically operated device from its external power source during radio interference measurements. It establishes a stable and consistent line impedance at the frequencies relevant for RF current measurements, making it suitable for EMI/EMC testing and diagnostics. The EM-7823 is part of Electro-Metrics' range of electromagnetic testing equipment, a company with over 60 years of experience in the field. Technical Specifications * Type: Line Impedance Stabilization Network (LISN) Frequency Range: 10 kHz – 30 MHz Power Line Frequency: DC to 63 Hz or DC to 60 Hz Current Rating: 15 A Continuous Current for 2 Lines Maximum AC Input: * Line-to-Line: 440 VAC * Line-to-Ground: 220 VAC Impedance Characteristics: Follows VDE 0876, specified curve $\pm 20\%$ Inductance Characteristics: 50 μH / 250 μH network Filter Type: Two-line low-pass filter network Application: Isolates a device under test (DUT) from external power sources, providing stable line impedance for conducted RF measurements. Suitable for commercial test

specifications including ANSI, FCC, CISPR, and VDE tests. Electrical Details * Power Input Connector: IEC320 C20, with customer-specified plug Monitor Port Connector: Type BNC, female Power Input/Output Connections: Standard power mains plugs and sockets. User can select from various styles including European (Schuko), French, U.K., Australian, Japanese, and U.S. (NEMA) style connections. Physical Characteristics * No specific physical dimensions or weight were found in verifiable sources. Compatibility * conducted measurements according to most commercial test specifications, including ANSI and certain FCC, CISPR, and VDE tests. Can be used with standard power mains plugs and sockets. Why Choose Aumictech for Electro-Metrics EM-7823? At Aumictech, we specialize in supplying high-end electromagnetic testing equipment. Whether you need reliable conducted immunity testing, precise impedance stabilization, or comprehensive EMI/EMC diagnostic capabilities, our team ensures the Electro-Metrics EM-7823 delivers maximum performance for your application.

EM7823 Characteristics / Specifications

PARAMETER	VALUE
Model	EM-7823
Instrument Type	Two line LISN V-network
Frequency Range	10 kHz to 30 MHz
Power Line Frequency	DC to 63 Hz
Current Rating	15 A continuous, 2 lines
Max Line To Line	440 Vac
Max Line To Ground	220 Vac
Impedance Curve	VDE 0876 specified curve plus or minus 20 percent
Inductance	50 uH / 250 uH
Monitor Port	BNC female
Power Inlet	IEC 320 C20
Network Type	two line low pass V-network
Test Methods	ANSI and selected FCC, CISPR, VDE conducted tests
Eut Isolation	isolates EUT from external mains
Manufacturer	Electro-Metrics
Literature	Electro-Metrics EM-7823 LISN electrical table
Family	Electro-Metrics LISN V-networks
Form Factor	mains LISN enclosure
System Role	conducted emissions stabilization network
Brand Lineage	Electro-Metrics
Line Count	2
Connector Class	mains plug/socket styles including Schuko, UK, Australian, Japanese, NEMA
Measurement Class	high frequency conducted emissions
Current Class	15 A
Voltage Class	440 Vac L-L / 220 Vac L-G

PARAMETER	VALUE
Inductor Class	50 uH / 250 uH

EM7823 Specifications

PARAMETER	VALUE
Applications	Conducted EMI measurements on single-phase EUTs up to 15 A using a 50 uH/250 uH V-network.
Key Features	Two line 15 A continuous rating
BNC monitor port	IEC 320 C20 inlet with country plug options
Technical Specifications	Model: EM-7823

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Notes

Numeric rows from the Electro-Metrics EM-7823 LISN electrical listing (10 kHz to 30 MHz, 15 A, 440/220 Vac, VDE 0876 plus or minus 20 percent, 50/250 uH, BNC, IEC 320 C20). Insertion-loss plots are on the EM-7823 data sheet pages. Catalog title RF power amplifier is incorrect; OEM function is LISN.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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NIST-traceable calibration · SAM registered ·
30-day returns
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.