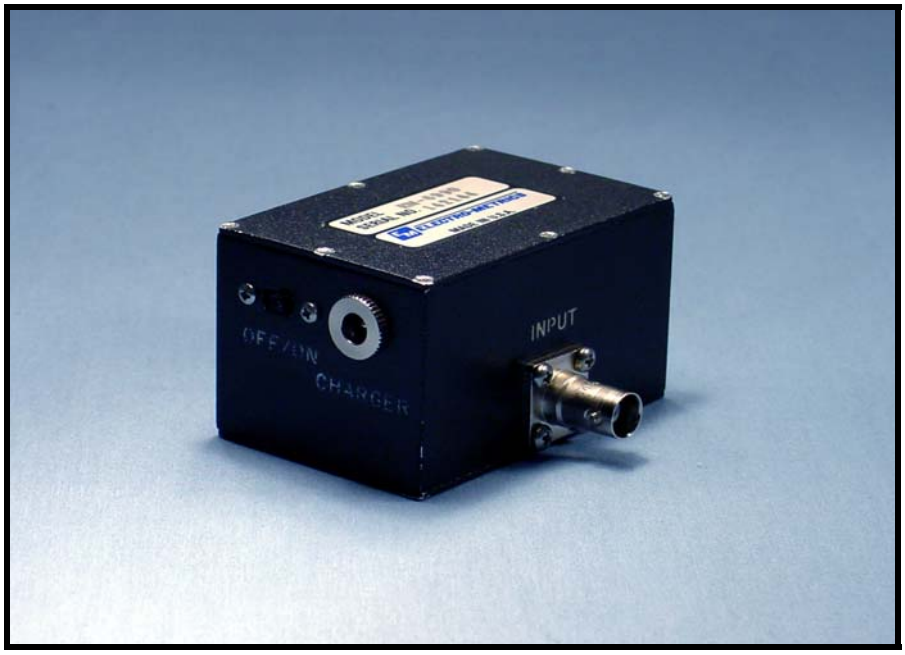
ELECTRO-METRICS

TECHNICAL DATA

EM-6990A
BROADBAND PREAMPLIFIER



Description

The EM-6990A Broadband Preamplifier is used primarily with the EM-6992 Probe Set in performing EMI diagnostic testing. The EM-6990A provides a significant improvement in overall measurement sensitivity of the typical spectrum analyzer. Small size and internal rechargeable batteries make the unit suitable for both bench and field testing. An external battery charger is used to recharge the internal batteries.

Applications

Quality preamplifier with high performance, suitable for a number of applications to improve sensitivity of EMI analyzers, spectrum analyzers, oscilloscopes and many other devices without distortion of amplitude accuracy.

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EM-6990A
BROADBAND PREAMPLIFIER

Specifications

Electrical

Gain	22 db, Typical
Frequency Range	5 kHz-1200 MHz
Impedance	50 ohms Nominal
Noise Figure	6 dB
1 dB Compression Point	-1 dBm
Power Source	4 rechargeable "N" cells (1.2 VDC nickel cadmium)
Operating Time	±15 hours between
Recharge Time	14-16 hours

Mechanical

Length	76 mm (3")
Width	89 mm (3.5")
Height	44.5 mm (1.75")
Weight	10 oz.

Power Requirements

115/220 VAC, 50/60 Hz

EM-6990 BATTERY POWER SUPPLY

The internal battery of the EM-6990A consists of four (4) 150 mA-hour 1.2 VDC nickel cadmium "N" cells. The fully charged batteries will operate the Preamplifier for approximately 15 hours. It will fully recharge after such usage in 14 to 16 hours.

For longer operating times, the nickel cadmium "N" cells can be replaced by 4 commonly available non-rechargeable Alkaline "N" cells which increases the operating time to approximately 100 hours.

Two battery charger options are available:

1) 110 VAC, 50/60 Hz

2) 220 VAC, 50/60 Hz

Specifications subject to change without notice.
Unless otherwise specified, product is manufactured in Johnstown, NY USA.

Rev: 0