

Isolation Transformer - Medical Grade line noise reduction and spike suppression

MODEL NUMBER: IS1000HG



Highlights

- Complete line isolation, noise filtering and surge suppression; ideal for sensitive equipment
- 1000 watts, 4 outlets, 10-ft. power cord
- Hospital-grade plug and receptacles
- Leakage less than 100 microamps
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

Package Includes

- IS1000HG Isolation Transformer
- Instruction manual with warranty information

Description

Isolator Series UL60601-1 Listed Medical Grade Isolation Transformers offer line isolation, continuous noise filtering and enhanced common mode surge suppression. An internal low-impedance isolation transformer component offers 100% isolation from the input AC line. Full UL60601-1 medical-grade listing with hospital-grade plug and outlet receptacles makes Isolator medical-grade transformers ideal for protection of medical electronic equipment in patient-care areas. Faraday shield reduces the cumulative leakage current of the Isolator and connected equipment to levels less than 100 microamps. Secondary neutral-to-ground bonding virtually eliminates common mode noise, providing an isolated neutral-ground reference for sensitive equipment, and an inexpensive alternative to dedicated circuits and site electrical upgrades. Removes EMI/RFI noise, utility switching transients and harmonics generated by other on-site loads and utility or lightning related surge conditions. Active transformer filtering provides continuous common-mode noise rejection with no wearable parts. Unique ability to reduce surges in the worst of power environments to harmless levels. Reduces 6000V IEEE587 Cat A&B ring wave and combination wave test surges to only 0.5V common mode. Model IS1000HG includes 4 widely spaced NEMA 5-15R hospital-grade output receptacles, a 10-ft. power cord, hospital-grade input plug, circuit breaker overload protection, and lighted power switch. Rugged all-metal unit housing; ships ready for placement in any industrial, medical, office or network environment. PLUG/OUTLETS: Input - NEMA 5-15P Hospital Grade; Output - 4 NEMA 5-15R Hospital Grade ELECTRICAL: 120V AC, 60Hz, 8.3A (Requires NEMA 5-15R wall receptacle)

Features

- The IS1000HG Medical Grade Isolation Transformer offers line isolation and continuous noise filtering
- Internal low-impedance isolation transformer with Faraday shield offers 100% isolation from the input AC line
- Full UL60601-1 medical-grade listing with hospital-grade plug and outlet receptacles makes Isolator Hospital Grade transformers ideal for the protection of sensitive electronic equipment in patient-care areas
- Reduces the cumulative leakage current of the Isolator and connected equipment to levels less than 100 microamps
- Secondary neutral to ground bonding eliminates common mode noise, providing an isolated ground reference for sensitive equipment
- Serves as an inexpensive alternative to the installation of dedicated circuits and site electrical upgrades
- Removes EMI/RFI noise, utility switching transients, load generated harmonics and ground loops
- Active transformer filtering offers continuous common-mode noise rejection with no wearable parts, uniquely able to reduce surges in the worst of power environments to harmless levels
- Reduces 6000V IEEE587 Cat A&B ring wave and combination wave test surges to only 0.5V common mode



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- Includes 4 widely spaced NEMA5-15R hospital grade output receptacles, a 10-ft power cord, hospital grade input plug, circuit breaker overload protection and lighted power switch
- Rugged all-metal unit housing; ships ready for upright tower placement in any industrial, medical, office or network environment

Specifications

OVERVIEW	
Efficiency	96%
Let-through Voltage (Combination Wave)	L-N: 250V L-G: 250V N-G: 0.5V
Let-through Voltage (Ring Wave)	L-N: 20V L-G: 20V N-G: 0.5V
Noise Suppression Rating	35-65 DB
Nominal Voltage / Frequency	120V / 60Hz
Over Current Protection	1 x Thermal, 2 pole, 10 amp
Shipping Weight	38.00 lbs
Total Harmonic Distortion	Less than 1%
VA / Watt Capacity	1000
Transformer Type	Medical-grade, low impedance transformer-based line isolation transformer
OUTPUT	
Outlet Quantity / Type	4 NEMA 5-15R-HG
Number of Outlets	4
Output Amp Capacity	8.8
INPUT	
Input Cord Length (ft.)	10
Input Cord Length (m)	3.05
Input Plug Type	NEMA 5-15P-HG
ISOLATION	
Leakage Current	Less than 100 microamps
PHYSICAL	
Unit Dimensions (hwd / in.)	7.75 x 7.25 x 10.5
Unit Dimensions (hwd / cm)	19.66 x 18.42 x 26.67
Cooling Method	Convection
Form Factors Supported	Tower



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CERTIFICATIONS	
Certifications	Tested to UL60601-1
WARRANTY	
Product Warranty Period (Worldwide)	2-year limited warranty

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