

Isolation Transformer - Medical Grade line noise reduction and spike suppression

MODEL NUMBER: **IS1800HG**



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 sensitive 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 IS1800HG includes 6 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 5-20P Hospital Grade; Output - 6 NEMA 5-20R Hospital Grade ELECTRICAL: 120V AC, 60Hz, 2.1A (Requires NEMA 5-15R wall receptacle)

Features

- The IS1800HG 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 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; 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

Highlights

- Complete line isolation, noise filtering and surge suppression; ideal for sensitive equipment
- 1800 watts, 6 outlets, 10-ft. power cord
- Hospital-grade plug and receptacles
- Leakage current less than 100 microamps
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

Package Includes

- IS1800HG Isolation Transformer
- NEMA5-15P replacement plug
- User manual with warranty information



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- Includes 6 widely spaced NEMA5-20R hospital-grade output receptacles, a 10-ft. power cord, hospital-grade input plug, circuit breaker overload protection, and lighted power switch
- Ships with NEMA5-20P input plug installed, package includes NEMA5-15P user-installable hospital-grade replacement plug for compatibility with common 15A wall receptacles
- 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	1x thermal, 2 pole, 10 amp
Shipping Weight	58.00 lbs. / 26.31 kg
Suppression Joule Rating	1190 (1020 input / 170 output)
Surge Test Conditions	Per ANSI/IEEE C62.41 - IEEE587 Cat. A & B test waveforms
Total Harmonic Distortion	Less than 1%
VA / Watt Capacity	1800
Transformer Type	Hospital Grade, low impedance transformer-based line isolation transformer
OUTPUT	
Outlet Quantity / Type	6 NEMA 5-20R-HG
Number of Outlets	6
Output Amp Capacity	15
INPUT	
Input Cord Length (ft.)	10
Input Cord Length (m)	3.05
Input Plug Type	NEMA 5-20P-HG
ISOLATION	
Leakage Current	Less than 100 microamps
PHYSICAL	
Unit Dimensions (hwd / in.)	7.75 x 8.25 x 12.25



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Unit Dimensions (hwd / cm)	19.69 x 20.96 x 31.11
Cooling Method	Convection
Form Factors Supported	Tower
CERTIFICATIONS	
Certifications	Tested to UL60601-1
WARRANTY	
Product Warranty Period (Worldwide)	2-year limited warranty

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