

## Isolator Series 120V 250W UL 60601-1 Medical-Grade Isolation Transformer with 2 Hospital-Grade Outlets

MODEL NUMBER: IS250HG



### Highlights

- Complete line isolation, noise filtering and surge suppression
- 250 watts, 2 outlets, 6 ft. power cord
- Hospital-grade plug and receptacles
- Lowers cumulative leakage current of connected equipment to under 100  $\mu$ A
- TAA-compliant

### Package Includes

- IS250HG Isolation Transformer
- Instruction manual with warranty information

### Description

Isolator Series UL 60601-1 Listed Medical-Grade Isolation Transformers offer line isolation and continuous noise filtering. An internal low-impedance isolation transformer component offers 100% isolation from the input AC line. Full UL 60601-1 medical-grade listing with hospital-grade plug and outlet receptacles makes Isolator medical-grade transformers ideal for protecting 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. Removes EMI/RFI noise, utility switching transients and harmonics generated by other on-site loads. Reduces impact of utility- or lightning-related surge conditions. Transformer filtering provides continuous common-mode noise rejection with no wearable parts. Reduces 6000V IEEE587 Category A & B ring wave and combination wave test surges to only 0.5V common mode. Includes two NEMA 5-15R hospital-grade output receptacles, 6-foot power cord, hospital-grade input plug, circuit breaker overload protection, lighted power switch and 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 - 2 NEMA 5-15R Hospital Grade ELECTRICAL: 120V AC, 60 Hz, 2.2A (requires NEMA 5-15R wall receptacle).

### Features

- Offers line isolation and continuous noise filtering
- Internal low-impedance isolation transformer with Faraday shield offers 100% isolation from the input AC line
- Full UL 60601-1 medical-grade listing with hospital-grade plug and outlet receptacles for the protection of sensitive electronic equipment in patient-care areas
- Reduces cumulative leakage current of the Isolator and connected equipment to levels less than 100  $\mu$ A
- Floating AC output prevents noise coupling from noisy hospital ground circuits
- Inexpensive alternative to dedicated circuits and site electrical upgrades
- Removes EMI/RFI noise, utility switching transients, load-generated harmonics and ground loops
- Transformer filtering offers continuous common-mode noise rejection with no wearable parts
- Reduces 6000V IEEE587 Cat A & B ring wave and combination wave test surges to only 0.5V common mode
- Includes 2 NEMA 5-15R hospital-grade output receptacles, 6 ft. power cord, hospital-grade input plug, circuit breaker overload protection, lighted power switch and rugged all-metal unit housing
- Ships ready for upright tower placement in any industrial, medical, office or network environment



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## 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
Nominal Voltage / Frequency	120V/60Hz
Over Current Protection	2.5A circuit breaker
Shipping Weight	13.80 lbs. / 6.26 kg
Surge Test Conditions	Per ANSI/IEEE C62.41 - IEEE587 Cat. A & B test waveforms
Total Harmonic Distortion	Less than 1%
VA / Watt Capacity	250
Transformer Type	Medical grade, low impedance transformer-based line isolation transformer
OUTPUT	
Output Receptacles	(2) 5-15R-HG
Output Amp Capacity	2.1
INPUT	
Input Cord Length (ft.)	6
Input Cord Length (m)	1.83
Input Plug Type	NEMA 5-15P-HG
SURGE / NOISE SUPPRESSION	
Noise Suppression Rating	35-65 DB
ISOLATION	
Leakage Current	Less than 100 microamps
PHYSICAL	
Unit Dimensions (hwd / in.)	4.5 x 4.75 x 7.75
Unit Dimensions (hwd / cm)	11.43 x 12.07 x 19.69
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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