

## Isolation Transformer - Medical Grade line noise reduction and spike suppression

MODEL NUMBER: **IS250HG**



### Highlights

- Complete line isolation, noise filtering and surge suppression; ideal for sensitive equipment
- 250 watts, 2 outlets, 6-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

- IS250HG 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 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. Additional surge suppression components placed at the line input and output combined with full line isolation offer continuous filtering of a full range of power line noise in all modes. 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 IS250HG includes 2 NEMA5-15R hospital-grade output receptacles, a 6-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 - 2 NEMA 5-15R Hospital Grade ELECTRICAL: 120V AC, 60Hz, 2.1A (Requires NEMA 5-15R wall receptacle)

### Features

- The IS250HG Medical Grade Isolation Transformer offers line isolation, continuous noise filtering and enhanced common mode surge suppression.
- 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; 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
- Additional surge suppression components placed at the line input and output combined with full line isolation provide continuous filtering of a full range of power line noise in all modes



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- 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
- Includes 2 widely spaced NEMA 5-15R hospital-grade output receptacles, a 6-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                | 2A circuit breaker  |
| Shipping Weight                        | 13.80 lbs. / 6.26 kg  |
| Suppression Joule Rating               | 940 joules  |
| 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                                 |   |
| Outlet Quantity / Type                 | 2 NEMA 5-15R-HG   |
| Number of Outlets                      | 2   |
| Output Amp Capacity                    | 2.1   |
| INPUT                                  |   |
| Input Cord Length (ft.)                | 6   |
| Input Cord Length (m)                  | 1.83  |
| Input Plug Type                        | NEMA 5-15P-HG   |
| ISOLATION                              |   |
| Leakage Current                        | Less than 100 microamps   |
| PHYSICAL                               |   |



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|                                     |                         |
|-------------------------------------|-------------------------|
| 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                   |
| <b>CERTIFICATIONS</b>               |                         |
| Certifications                      | Tested to UL60601-1     |
| <b>WARRANTY</b>                     |                         |
| Product Warranty Period (Worldwide) | 2-year limited warranty |

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