

## 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
- 250 watts, 2 outlets, 10 ft. power cord
- Hospital-grade plug and receptacles
- Lowers cumulative leakage current of connected equipment to under 100 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, 10-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 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, 10 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

## Specifications

| OVERVIEW                               |   |
|--|---|
| UPC Code                               | 037332116208  |
| 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  |
| 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 Plug Type                        | NEMA 5-15P-HG   |
| Input Cord Length (ft.)                | 10  |
| Input Cord Length (m)                  | 3.05  |
| SURGE / NOISE SUPPRESSION              |   |
| Noise Suppression Rating               | 35-65 DB  |
| ISOLATION                              |   |
| Leakage Current                        | Less than 100 microamps   |
| PHYSICAL                               |   |
| Cooling Method                         | Convection  |
| Form Factors Supported                 | Tower   |
| Shipping Dimensions (hwd / cm)         | 17.78 x 17.53 x 26.16   |



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|                                     |                         |
|-------------------------------------|-------------------------|
| Shipping Dimensions (hwd / in.)     | 7.00 x 6.90 x 10.30     |
| Shipping Weight (kg)                | 6.58                    |
| Shipping Weight (lbs.)              | 14.50                   |
| Unit Dimensions (hwd / cm)          | 11.43 x 12.07 x 19.69   |
| Unit Dimensions (hwd / in.)         | 4.5 x 4.75 x 7.75       |
| <b>CERTIFICATIONS</b>               |                         |
| Certifications                      | Tested to UL60601-1     |
| <b>WARRANTY</b>                     |                         |
| Product Warranty Period (Worldwide) | 2-year limited warranty |

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