

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

MODEL NUMBER: AL-59802



### Highlights

- Complete line isolation, noise filtering and surge suppression; ideal for sensitive equipment
- 500 watts, 4 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

- AL-59802 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. 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 IS500HG 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 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, 2.1A (Requires NEMA 5-15R wall receptacle)

### Features

- The AL-59802 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

- 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 upright tower placement in any industrial, medical, office or network environment

## Specifications

OVERVIEW	
Amp Capacity	4.2A at 120V AC
Efficiency	96%
Form Factor	Small tower format
Input Plug Type	NEMA 5-15P-HG
Leakage Current	Less than 100 microamps
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	120 /60Hz
Output Receptacle Qty / Type	4 NEMA 5-15R-HG
Over Current Protection	1 X THERMAL, 2 POLE, ROCKER
Shipping Weight	22.20 lbs
Total Harmonic Distortion	Less than 1%
Transformer Type	Medical-grade, low impedance transformer-based line isolation transformer
Unit Dimensions (HWD/in.)	5.75 x 6.25 x 9.25
VA / Watt Capacity	500
INPUT	
Input cord length (ft.)	10
Input cord length (m)	3.05
PHYSICAL	
Unit Dimensions (HWD/in)	5.75 x 6.25 x 9.25
Unit Dimensions (HWD/cm)	14.61 x 15.88 x 23.50
Cooling method	Convection
CERTIFICATIONS	
Certifications	Tested to UL60601-1

WARRANTY	
Product Warranty Period (Worldwide)	2-year limited warranty

More information, including related products, owner's manuals, and additional technical specifications, can be found online at:

[www.alcosales.com](http://www.alcosales.com)

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