

Isolation Transformer

Hospital-grade line noise reduction and spike suppression



Model #: IS500HG

- ▶ Complete line isolation, noise filtering and surge suppression is ideal for sensitive equipment
- ▶ 500 watts, 4 outlets, 6-ft. power cord
- ▶ Hospital-grade plug and receptacles
- ▶ 2-year limited product warranty

DESCRIPTION

Tripp Lite Isolator series UL2601-1 listed Hospital Grade isolation transformers offer line isolation, continuous noise filtering and enhanced common mode surge suppression. Internal low-impedance isolation transformer component offers 100% isolation from the input AC line. Full UL2601-1 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. Isolation transformer with Faraday shield reduces the cumulative leakage current of the Isolator and connected equipment to levels below 300 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 the installation of 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 offers continuous filtering of a full range of power line noise in all modes. Active transformer filtering offers continuous common-mode noise rejection with no wearable parts, uniquely able 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 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: 4 NEMA 5-15R Hospital Grade

ELECTRICAL: 120V AC, 60Hz, 2.1A (Requires NEMA 5-15R wall receptacle)

FORMAT: Upright tower

ISOLATION: Transformer based line isolation with Faraday shield

KEY BUYING POINTS

- Tripp Lite's IS500HG Hospital 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 UL2601-1 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 below 300 microamps.
- Secondary neutral to ground bonding eliminates common mode noise, providing an isolated ground reference for sensitive equipment
- Serves as an inexpensive alternative to the installation of 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 offers continuous filtering of a full range of power line noise in all modes
- Active transformer filtering offers continuous common-mode noise rejection with no wearable parts, uniquely able 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 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 upright tower or wallmount placement in any industrial, medical, office or network

environment

- 2-year limited product warranty

PACKAGE INCLUDES

- IS500HG Isolation Transformer
- Instruction manual with warranty information

COMPLETE SPECIFICATIONS

Nominal Voltage / Frequency	120V / 60Hz
VA / Watt Capacity	500
Amp Capacity	4.2A at 120V AC
Transformer Type	Hospital Grade, low impedance transformer-based line isolation transformer
Total Harmonic Distortion	less than 1%
Over Current Protection	Yes, 4.5A circuit breaker
Output Receptacle Qty / Type	4 NEMA5-15R Hospital Grade Outlets
Input Plug Type	NEMA5-15P Hospital Grade Plug
Input Cord Length	6.00 ft. / 1.83 m
Leakage Current	less than 300 microamps
Efficiency	96%
Suppression Joule Rating	680 Joules Total (510 joules input / 170 joules output)
Noise Suppression Rating	35-65 DB
Surge Test Conditions	Per ANSI/IEEE C62.41 - IEEE587 Cat. A & B test waveforms
Let-through Voltage (Ring Wave)	L-N: 20V L-G: 20V N-G: 0.5V
Let-through Voltage (Combination Wave)	L-N: 250V L-G: 250V N-G: 0.5V
Cooling Method	Convection
Form Factor	Small tower format, wall mountable
Unit Dimensions (HWD/in.)	5.75 x 6.25 x 9.25
Shipping Weight	23.20 lbs. / 10.52 kg
Warranty	2-year limited product warranty
Approvals	UL (UL Series AGIS500YWN) , cUL

*The policy of Tripp Lite is one of continuous improvement.
Specifications are subject to change without notice.
Therefore, your product may vary slightly from what is currently listed.*



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