



Model #: IS500HG

Isolation Transformer - Medical Grade line noise reduction and spike suppression

Highlights



Complete line isolation, noise filtering and surge suppression; ideal for sensitive equipment

500 watts, 4 outlets, 6-ft. power cord

Hospital-grade plug and receptacles

2-year limited product warranty

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 IS500HG includes 4 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 ships ready for placement in any industrial, medical, office or network environment. 2-year warranty.

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

Package Includes

IS500HG Isolation Transformer

Instruction manual with warranty information

Features

The IS500HG 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 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

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

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 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

2-year limited product warranty

Specifications

INPUT	
Input cord length	6.00 ft /1.83 m
PHYSICAL	
Cooling method	Convection
Overview	
Amp Capacity	4.2A at 120V AC
Efficiency	96%
Form Factor	Small tower format
Input Plug Type	NEMA 5-15P-HG Hospital-Grade
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 Hospital-Grade
Over Current Protection	4.5A circuit breaker
Shipping Weight	23.20 lbs./10.52 kg
Suppression Joule Rating	680 (510 input/170 output)
Surge Test Conditions	Per ANSI/IEEE C62.41 - IEEE587 Cat. A & B test waveforms
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
Warranty	2-year limited product warranty