

Isolator Series 120V 500W UL 60601-1 Medical-Grade Isolation Transformer with 4 Hospital-Grade Outlets

MODEL NUMBER: IS500HG



Highlights

- Complete line isolation, noise filtering and surge suppression
- Hospital-grade plug and receptacles
- Lowers cumulative leakage current of connected equipment to under 100 A
- Floating AC output prevents noise coupling
- TAA-compliant

Package Includes

- IS500HG 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 four widely spaced 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 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, 60 Hz, 4.2A (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 4 widely spaced 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	
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	120 /60Hz
Over Current Protection	1 X THERMAL, 2 POLE, ROCKER
Shipping Weight	22.20 lbs
Total Harmonic Distortion	Less than 1%
VA / Watt Capacity	500
Transformer Type	Medical-grade, low impedance transformer-based line isolation transformer
OUTPUT	
Output Receptacles	(4) 5-15R-HG
Output Amp Capacity	4.2
INPUT	
Input Cord Length (ft.)	10
Input Cord Length (m)	3.05
Input Plug Type	NEMA 5-15P-HG
SURGE / NOISE SUPPRESSION	
Noise Suppression Rating	35-65 DB
ISOLATION	
Leakage Current	Less than 100 microamps



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
Form Factors Supported	Tower
CERTIFICATIONS	
Certifications	Tested to UL60601-1
WARRANTY	
Product Warranty Period (Worldwide)	2-year limited warranty

© 2018 Tripp Lite. All rights reserved. All product and company names are trademarks or registered trademarks of their respective holders. Use of them does not imply any affiliation with or endorsement by them. Tripp Lite has a policy of continuous improvement. Specifications are subject to change without notice. Tripp Lite uses primary and third-party agencies to test its products for compliance with standards. See a list of Tripp Lite's testing agencies:

<https://www.tripplite.com/products/product-certification-agencies>