

MEDICAL GRADE ISOLATION POWER TRANSFORMER

MD-2400-E

Electrical Specifications (@25C)

1. Maximum Power: 2400VA

Input Voltage (power cord): 240VAC±10%, 50/60Hz
Output Voltage (receptacle): 120.0VAC @ 20.0A Max¹
Voltage Regulation: 5% TYP from full load to no load

5. Hipot:

Input to output: 3000VAC

Input and output to enclosure (Ground): 1500VAC

- 6. Efficiency: 94% TYP. @ full load
- 7. Operating ambient temperature: Not to exceed 60°C
- 8. Leakage current: less than 50uA; typical 10uA
- 9. Fusing: Replace only with 12.0A, 250VAC, slow blo, UL listed fuses. Recommended Littelfuse 0326012.



These medical grade isolation boxes are built using a toroidal transformer construction that inherently helps reduce stray fields, increases efficiency and minimizes size compared to traditional EI transformers. Built with Class F (155°) insulation system. The enclosure is made of steel and powder coated white.

Safety:

Medical isolation transformer box is certified to UL 60601-1, 2nd edition medical standard and CSA-C22.2.No. 601.1M90, 2005

UL: (E352717), UL60601-1, 2nd edition and CAN/CSA-C22.2 No. 601.1M90, 2005
UL: (E514503), AAMI/IEC 60601-1:2005 + AMD 1:2012 & CSA CAN/CSA-C22.2 NO. 60601-1:14
Note: Not for use in life critical application



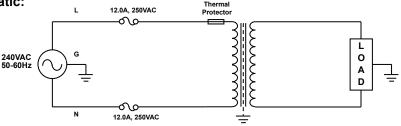
Mounting:

Rubber feet for horizontal mounting.

Connections:

Input: 11ft medical grade power cord with Nema 6-20P plug. Output: Duplex receptacle. Nema 5-20R.

Schematic:



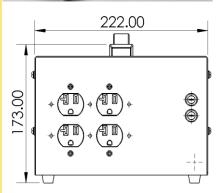
Please refer to instruction manual for safety precautions.

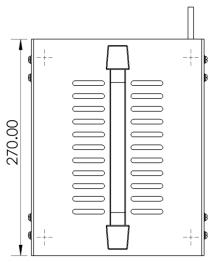
RoHS Compliance: As of manufacturing date February 2016, all standard products meet the requirements of 2015/863/EU, known as the RoHS 3 initiative.

* Upon printing, this document is considered "uncontrolled". Please contact Triad Magnetics' website for the most current version.

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Dimensions: mm Weight: 19.1Kg Warranty: 5 years

Release Date: August 27, 2025

¹ Combined loads connected to receptacle(s) must not exceed maximum current rating.