

POLYMIT E-Series

Medical certified Isolation Transformers 350VA to 1700VA



- ▶ TÜV+NRTL certified Medical-Isolation-Transformer with 4000V Isolation
- ▶ secures your System against high Leakage Current & half-wave failure
- ▶ easy to use - frontal on/off switch with operation LED
- ▶ durable - none aging Parts and solid screwed housing
- ▶ no supply noise or hum - encapsulated transformer



Isolation + Patient Environment

The Polymit E Series is manufactured according to ISO 9001 and ISO13485 for the safest power supply of Medical diagnosis and analysis devices, systems for therapy and surgery, ECG, Ultrasound, IT equipment and video systems.

The Polimit E Series is designed to meet the strict requirements of the MDD93/42EEC in order to protect the equipment, patients, operating personnel or other persons against high leakage current. It has a secure galvanic isolation from the public power supply so that it also reduce the risk of an electric shock. Thereby, the leakage current of the connected devices are limited to values below the specified limits of the medical Norm for medical electrical devices, the IEC60601-1 3rd. Edition. Due to a very low magnetic stray field and fault-tolerant design, the Polymit E Isolation Transformers are suitable for an installation close to monitors and also protect sensitive equipment from half-wave failures, which can influence measurement procedures and can damage devices.

Technical Data POLYMIT E-Series

Type	POLYMIT 350E	POLYMIT 700E	POLYMIT 1000E	POLYMIT 1700E
Item number	2000386	2000309	2000372	2000553
Nominal power output [VA]	350	700	1000	1700
Ambiant operating temperature (ta)	+ 10° C up to + 40° C			
Relative humidity	30% up to 75%			
Power input	IEC Power connector in accordance with EN 60320-1/C14			
Input voltage primary [V AC] +/- 10%	115 / 230	115 / 230	115 / 230	230
Supply frequency [Hz]	50/60			
Current consumption [A] 115 / 230 V	3.25 / 1.65	6.40 / 3.20	9.10 / 4.55	7.65
Power input fuse [A] 115 / 230 V	4.0 / 2.0	8.0 / 4.0	10.0 / 6.3	10
Power switch input (primary side)	yes			
Inrush current limitation	Electronic inrush current limitation and half-wave failure recognition			
Overtemperature protection	Self-resetting temperature switch			
Device output (secondary)	6 x IEC 60320	6 x IEC 60320	8 x IEC 60320	8 x IEC 60320
Output voltage secondary [V AC]	230			
Output current [A]	1.53	3.05	4.35	7.39
Operation LED display	green			
Touch leakage current	< 100 µA under normal conditions, < 500 µA single fault condition			
Isolation, protective earth conductor resistance	> 2 M Ohm / < 0,1 Ohm			
Test voltage PRI - SEC [V AC]	4400			
Test voltage PRI/SEC-Chassis [V AC]	1700			
Electric safety class	Class 1 equipment, protective earthing			
IP classification	IP20			
Certification institution	TÜV / NRTL			
Certification in accordance with	IEC 60601-1 :2005 3rd. Edition, IEC 60601-1 2nd. Edition, EN60601-1-2 ANSI/AAMI ES60601-1:2005 (R)2012, CAN/CSA-22.2 No. 60601-1:14			
Medical equipment classification according to MDD 93/42	Class 1 device			
Potential equalisation	Equipotential connector according to DIN 42801			
Case, surface	Metal housing in RAL 7035			
Dimensions [mm] (W x H x D)	170x105x280	190x105x300	230x105x330	260x105x350
Weight approximately [kg]	6.5	9.5	13.5	19.0
Warranty	2 years bring in and return, optional 3 years or 5 years Warranty			



Scope of delivery:

- Mains cable 3x1 mm², 2.5 m length, black
- User Manual
- Retain clip (for mains cable)
- Replacement fuses: 4 Pcs