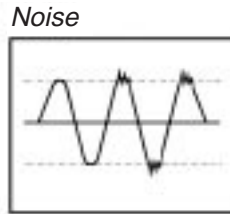


Isolation Transformers — Plug-In Sentrex IT Series Noise Protection



IT 1500



IT 0500

Smooth operation of electronic equipment is hampered by the disruptive effects of power line noise. Poor performance and data distortion can occur. Transients and spikes on the line, both from internal and external sources, can damage sensitive equipment.

Sentrex Isolation Transformers offer cost-effective protection from the damaging and disruptive effects of power line noise and electrical spikes. This unique device isolates the load from the source by creating a new ground reference and therefore eliminating electrical noise. The Sentrex IT series has a built-in MOV for multi-stage surge protection. Isolation Transformers are an excellent choice when full line regulation is not a requirement but surge suppression alone is not adequate.

Sentrex Isolation Transformers act as a barrier, isolating equipment from power system contaminants. This “isolation” reduces electrical noise on the “normal mode” (line - neutral) and virtually eliminates noise on the “common mode” (line/neutral - ground), improving overall operation and reliability of the protected equipment. In addition, an MOV has been added for surge suppression, a feature not provided on many other competitive units.

The low output impedance makes these isolation transformers ideal for equipment with high in-rush current such as photo copiers and laser printers. Phone systems, audio equipment and fax machines require a high level of noise filtering and isolation and are less sensitive to voltage fluctuations, which also makes the Sentrex IT series a perfect match.

Features & Benefits

- **Outstanding noise rejection.** Avoids disruptive effects on data.
- **Cost effective economical protection from voltage spikes and transients.** Surge protection is built in.
- **Excellent isolation.** Better equipment operation.
- **Low operating temperature, more energy efficient, virtually silent operation.** Little humming or heat to disturb user.
- **No moving parts, maintenance free.** Longer life.
- **Handles high in-rush loads without nuisance shutdowns.** Oversizing requirements and costs minimized.
- **Multi-stage surge suppression.** Better protection than most other isolation transformers.
- **Lightweight, compact design.** Easy to relocate.
- **Meets requirements of FIPS Pub. 94.** Approved grounding means.
- **Unique thermal overload protection.** Safety.
- **UL Listed.** Tested for safety.

Specifications

Power Ratings:	2.1 / 3.1 / 5.0 / 6.0 kVA.
Noise Isolation:	115dB Common Mode; 55dB Normal Mode.
Surge Protection:	280V Normal Mode, virtually no let through; Common Mode (ANSI/IEEE C.62.41 Category B Waveforms).
Isolation:	Complete from line. Output neutral bonded to ground.
Input/Output Voltage:	120 VAC.
Input/Output:	Six foot cord with NEMA 5-15P Plug; (reference IT product table for output receptacles). IT1800 has NEMA 5-20P plug.
Frequency:	60Hz (50Hz available on special order basis).
Efficiency:	92 – 97% (depending on VA rating).
Harmonics:	Adds less than 1% THD (Total Harmonic Distortion).
Operating Temperature:	-40°C to +40°C.
Controls:	On-Off Switch (125VA – 500VA); On-Off Switch Circuit Breaker (750VA – 1800VA).
Safety:	UL Listed.
Warranty:	5 years.

Sentrex IT Series Product Table

VA	Model No.	Dimensions	Output Duplex Receptacles*	Shipping Weight (Lbs)
125	IT0125	5 1/2 x 6 1/2 x 7"	2	9.5
250	IT0250	5 1/2 x 6 1/2 x 7"	2	11.0
375	IT0375	5 1/2 x 6 1/2 x 7"	2	13.0
500	IT0500	5 1/2 x 6 1/2 x 7"	4	15.0
750	IT0750	5 1/2 x 6 3/4 x 9 1/2"	4	22.5
1000	IT1000	5 1/2 x 6 3/4 x 9 1/2"	4	28.5
1500	IT1500	5 1/2 x 8 1/2 x 11 1/4"	6	37.5
1800	IT1800	5 1/2 x 8 1/2 x 11 1/4"	6	42.5

*NEMA 5-15R

Questions? Call MAJORPOWER.COM - 514.369.4919