

# ILC

Hospital grade

Medical isolation transformer

UL 60601-1 3<sup>rd</sup> Edition

ILC Model
1400-MED-8
1400 W / VA 120 V, 60 Hz 11.7 A
2000-MED-12
2000 W / VA 120 V, 60 Hz 16.7 A

## Medical line conditioners

TSi Power's ILC MED series of hospital-grade isolation transformers are tested and listed to UL 60601-1 3<sup>rd</sup> Edition. ILC-MED units are designed specifically for North American power distribution systems and are only available in 120 V, 60 Hz versions. As such they comply with the National Electric Code provisions for safety of separately derived systems. There are no design compromises to accommodate the conflicting requirements of 230 V, 50 Hz systems.

ILC-MED products meet all requirements for leakage current as stipulated by UL 60601-1 3<sup>rd</sup> Edition. In addition, ILC-MED provides coordinated surge protection and filtering of fast-rise-time voltages. Unlike dual voltage units, ILC-MED has a neutral-to-ground bond to provide a path for fault current from a connected load.

### How ILC-MED works

ILC-MED consists of a low-inrush current EI transformer that does not require current limiting thermistors on the input. A two-pole filter and a metal oxide varistor provide coordinated surge protection which eliminates the need for additional



ILC-2000-MED-12 shown

surge protection. The isolation transformer reduces leakage current to <100 µA.

## Features and Benefits

- *Designed to North American standards. No compromises necessary to also accommodate European standards that conflict with the National Electric Code.*
- *Meets or exceeds 100 µA leakage current requirement for patient safety.*
- *Secondary neutral-to-ground bond provides path for fault current of connected equipment. No need to add GFCI circuit. Compliance with NEC.*
- *No embedded thermal devices in transformer. Less risk of failure.*
- *Thermal circuit breakers rather than inlets with fuses. No need to worry about replacing fuses.*
- *Designed for 120 V, 60 Hz only. No confusing setting input and output voltages.*
- *Low-inrush current EI transformer limits inrush current without the use of unreliable thermistors. Less risk of tripping upstream circuit breakers during power cycling.*
- *Coordinated surge protection and filtering eliminates need for inferior, external surge protectors. Improved system reliability decreases service calls.*
- *Eight or twelve outlets are standard. Provides maximum flexibility.*
- *NEMA or IEC outlets available. Fits all standard receptacles and plugs.*

RECOGNIZED COMPONENT



Intertek



TSi POWER

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Specification	ILC-1400-MED-8	ILC-2000-MED-12
<b>Input</b>		
Nominal voltage & frequency	120 V, 60 Hz	
Operating voltage	120 V	
Max current	15 A	20 A
Six foot hospital grade cord set	5-15P	5-20P
Option C: IEC C14/C20 inlet	C14	C20
Circuit breaker	250 V, 15 A	250 V, 20 A
Surge voltage test condition	ANSI/IEEE: 6 kV, 1.2 x 50 $\mu$ s / 3 kA, 8 x 20 $\mu$ s	
Surge voltage let-through	L-N: <450 V L-G: <10 V N-G: <10 V	
<b>Output</b>		
Output power	1400 W / VA	2000 W / VA
Nominal voltage	120 V	
Max current	11.7 A	16.7 A
Power efficiency	94 to 96%	
5-15 R/5-20R outlets (Standard)	Eight x 5-15R	Twelve x 5-20R
IEC C13: Option C	Eight x C13	Twelve x C13
<b>Indicators and alarms</b>		
Status indicators	Green LEDs front and back indicate unit is operational	
<b>Physical</b>		
Dimensions	Height: 7.3" / 185.4 mm Length: 10" / 254 mm Width: 9" / 228.6 mm	
Enclosure	Two-piece powder coated steel	
Weight lbs / kg	44 lbs / 19.96 kg	51 lbs / 23.13 kg
Mounting	To be placed on floor or flat surface	
<b>Environmental</b>		
Ambient temperature	32° to +104° F / 0° to +40° C	
Cooling method	Convection cooling	
Humidity	95% non-condensing	
<b>Safety</b>		
Leakage current	<100 $\mu$ A	
Standards	Power supply for use in health care facilities. Conforms to AAMI ES 60601-1 Certified to CSA C22.2 NO. 60601-1 Intertek/ETL Report Number: 101470838MIN-002 original issued 17-Jul-2014	
<b>Warranty</b>		
Warranty	Five-year limited warranty, parts and labor	

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## ILC-MED Series System Architecture

