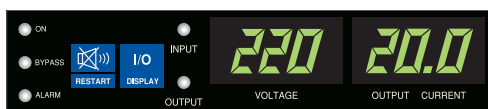


## Wise

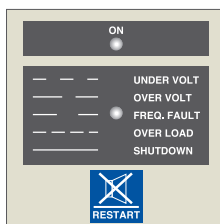
## POWER LINE CONDITIONER AND AUTOMATIC VOLTAGE STABILIZER

- Microprocessor controlled tap switching voltage regulator/ power line conditioner
- Current zero crossing switching
- 6 Taps change system
- Input voltage is 220 Vac (L-N) -25% +23%
- Output voltage is 220 Vac (L-N)  $\pm$  5%
- Pure sine wave output
- Crest factor ratio 6:1
- LED status display for Wise 500 and Wise 1000 model
- 7-Segment LED and digital display for Wise 3000 and Wise 5000 model
- Voltage and current digital meter monitoring for Wise 3000 and Wise 5000 model
- Surge, spike, blackout, brownout protection
- Total solution EMI/RFI and power line noise protection
- Overload and short circuit protection
- Over voltage and under voltage protection

7-Segment LED and digital meter display



LED status display



Wise 500  
Wise 1000



Wise 3000  
Wise 5000

## POWER LINE CONDITIONER AND AUTOMATIC VOLTAGE STABILIZER

LEONICS Wise-series is designed and manufactured by most advanced technology with microprocessor as the most reliable automatic voltage regulator (AVR) to protect your electrical equipments such as computer network, PABX, medical and scientific equipment, copy machine, stereo etc. from surge, spike, noise, EMI, RFI, voltage fluctuation and frequency drift.



ISO 9001:2000

ANSI-RAB QMS

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### SPECIFICATIONS

MODEL		Wise 500	Wise 1000	Wise 3000	Wise 5000
RATED POWER	Pf. = 1	500 VA / 500 W	1 kVA / 1 kW	3 kVA / 3 kW	5 kVA / 5 kW
SYSTEM	Topology	Single phase stabilizer with microprocessor controlled			
	Number of taps	6 taps			
	Crossing technique	zero current crossing			
INPUT	Voltage	220 Vac -25% +23%			
	Frequency	50 / 60 Hz ± 6% (auto sensing)			
	Wave form	pure sine wave			
OUTPUT	Voltage	220 Vac ± 5%			
	Frequency	synchronize with input			
	Wave form	pure sine wave (sinusoidal)			
	Total harmonic distortion	less than 0.3% THD			
	Overload capability	100% for continuos load			100% for continuos load
		125% for 22 min.			150% for 11 min.
150% for 11 min.			300% for 1 cycle		
175% for 2 min.					
200% for 44 sec.					
more than 250% for 10 sec.					
Crest factor ratio	6:1				
EFFICIENCY	AC to AC (at full load)	more than 96%		more than 97%	
SYSTEM PROTECTION	Overload	automatic shutdown with manual restart			
	Over / under voltage	automatic shutdown with auto restart	automatic shutdown with manual restart or auto restart (selectable)		
	Frequency fault	audible and visual alarm		audible alarm	
	Short circuit	fuse		circuit breaker	
	Surge energy dissipation	320 joules (6.5 kA)			
	Surge clamping voltage	370 Vp			
	Power dissipation	1,000,000 W within100 microsec.			
	EMI / RFI dissipation	100 kHz - 80 MHz			
	Attenuation	more than 36 dBA			
	MANUAL CONTROLS	Maintenance bypass switch	no		option
INDICATOR	Front panel LED's	power on, alarm (over voltage, under voltage, frequency fault, overload, shutdown)		power on, maintenance bypass, alarm, input voltage, output voltage	
	Digital meter monitoring (3 digit 7-segment LED)	no		input / output voltage, output current	
AUDIBLE ALARM WITH RESET FOR SILENCE	Overload	- - - - -		0.2 sec. - 0.2 sec.	
	Over voltage	_____		3 sec. - 0.2 sec.	
	Under voltage	- - - - -		0.2 sec. - 3 sec.	
	Frequency fault	_____		4 sec. - 4 sec.	
	Overload shutdown	_____			
ACOUSTIC NOISE	At 1 metre	less than 30 dBA			
ENVIRONMENT	Temperature	0°C to 45°C			
	Humidity	0 - 95% (non-condensing)			
DIMENSIONS	W x H x D (cm.)	11 x 15 x 26	12 x 16.5 x 34	18 x 35 x 45	
WEIGHT	Approximate in kg.	5.2	9.2	36	40

Continuous product development is our commitment. In that manner, the above specifications may be changed without prior notice.