

Portable MPI Power Source



An ISO 9001 Company
CE Marked

Prologue

SIMS (Suvidha Inspection Methods & Systems) is an ISO 9001-2008 certified company founded in 2001 by RMK Murthy, with the objective of providing NDT Products & Services with the level of quality, reliability and integrity demanded by various industries that rely on Non Destructive Testing methods.

SIMS manufactures very high quality testing instruments for MPI (Magnetic Particle Inspection), Ultra Violet Lights, Radiographic Film Viewers and also provides a spectrum of Accessories and Consumables.

Some of the venerable clientele of SIMS include BHEL, ECIL, Department of Atomic Energy, India Railways, Ordnance Factory, NTPC, HAL, L&T, MIDHANI, NILE Ltd., OCTL, RANE Group, VOITH, ITC, JINDAL, ASTER, Harihara Alloys, ISGEC, Ultra Tech Cements, VA Tech Hydro Ltd., Fine Forge Ltd., BSCPL, Megha Engineering, Aurobindo Pharma, Dr.Reddys Labs, Gurunanak Engineering College, Power Mech Projects Ltd., KLR Universal, Pitti Castings, GS Alloys, Sara Sae, NFCL, PES Engineers, Thermal Systems, APHMEL, Visakhapatnam Steel Plant, The Singareni Collieries Co. Ltd., Atlas Copco, GFCL, and KCP Ltd.

Portable Power Source

Model : SIMS - PS 1000 /1500 / 2000

SIMS - PS 1000, 1500 & 2000 are Portable Power Sources for MPI. They are designed for heavy duty. They produce AC & HWDC current outputs ranging from 1000 to 2000 Amps. The thyristor technology provides a step-less solid state current control. Ruggedly built, yet they are compact, light weight, portable and suitable for continuous inspection using heavy duty bus bars. They have inbuilt AC decay Auto Demagnetization facility.

SIMS - PS can be used both for Prod and Cable Wrap methods. Being light weight, it is highly portable to any location. It can be used for dry and wet methods for non-fluorescent and fluorescent examination as well.

Technical Specifications

Specs	PS 1000	PS 1500	PS 2000
Input Supply:			
Volt	230 V	415 V	415 V
Frequency	50 Hz	50 Hz	50 Hz
Phase	1 Phase	2 Phase	2 Phase
Max. Output Current	1000 Amps	1500 Amps	2000 Amps
Current Drawn	35 Amps	48 Amps	60 Amps
Open Circuit Voltage	8 V	10 V	10 V
Net Weight	25 Kg	35 Kg	40 Kg
Dimensions (approx.) (L x W x H) mm	370x225x215	440x255x230	550x220x230
Duty Cycle	2 min ON & 2 min OFF		
Timer Control	Adjustable Timer for Mag Current		
Class of Insulation	'F' Class		
Current Control	Thyristor (Step-less)		
Demagnetization	AC Decay Demag		
Auxiliary Supply (optional)	230V AC - 5A - Single Phase		
Safety Features	Over Load Protection & Thermal Cut Off		

Salient Features

- Heavy Duty Cycle : 2min ON & 2 min OFF.
At max rating as per manual
- Available in 1000, 1500 & 2000 Amps ratings
- Step-less control for AC & HWDC Current Outputs with thyristor
- Built-in AC Decay auto demagnetization facility
- Heavy Duty Bus bars for maximum output
- Analog / Digital Display for Current output reading
- Remote control operation for convenience
- Inbuilt cooling fan for Temperature control
- High magnetic field, using heavy duty copper cable
- Can be used for Prods & Coil Wrap Methods

SUVIDHA INSPECTION METHODS & SYSTEMS

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