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EECIFLUX-POWER TYPE EQUIPMENT FOR MAGNETIC PARTICLE INSPECTION



- ◆ Heavy-duty cycle: 2 min. ON & 2 min. OFF.
- ◆ AC and HWDC output.
- ◆ Available in 1000,1500 and 2000 Amps rating models.
- ◆ Equipped with Thermal overload relay to prevent failures of components.
- ◆ Thyristorised stepless solid-state current control.
- ◆ Quick disconnect type of prod connections.
- ◆ Rugged construction for reliable magnetic inspection.
- ◆ Compact lightweight and portable.
- ◆ Can detect surface as well as sub-surface defects.
- ◆ Equipment is built standard for continuous inspection.
- ◆ Optional, Auto A.C. Demagnetisation control.

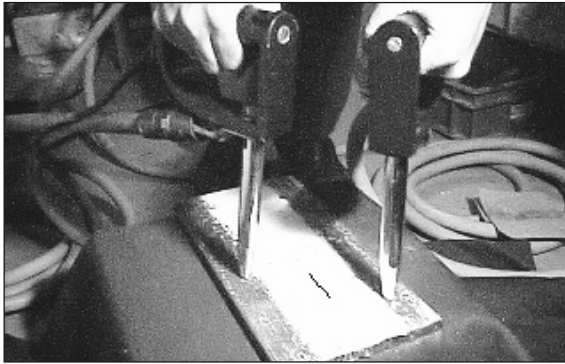


EECIFLUX Power type Magnetic Particle Inspection equipments are compact, highly efficient and designed for quick and reliable testing of Components and Assemblies.

The equipments manufactured comply with various international standards and as per customer's requirements.

Use of AC and HWDC mode makes equipment ideal for inspection of wide range of application and for demagnetisation after inspection.

The equipments are available in 4 standard models. Optionally, Auto A.C. Demagnetisation feature can be built in to the equipment.



EF-2000 WITH PROD TESTING ON WELD PLATE

OPERATION :

EECIFLUX Power type Magnetic Particle Inspection equipments are designed for magnetizing the parts by passing the current from contact prods directly through the part or through a central conductor or by wrapping the part with 3-5 turns of cable to form a coil. Any defects will be found near the direction of current flow.

A.C mode gives the greatest sensitivity and speed in locating surface defects.

The HWDC mode is useful for the detection of surface as well as near sub-surface defects. The pulsating half wave magnetizing current increases particle mobility during indication build up.

Parts can be demagnetised after inspection by energizing the system with AC and then turning the current slowly to zero.

EECIFLUX Power type Magnetic Particle Inspection equipments can easily be switched over from AC mode to HWDC mode. Front panel board is provided with 3 connectors, marked as AC, COMMON and HWDC. With one cable plugged into 'COMMON' and other can be plugged into AC or HWDC as per operation requirement.

Technical Specification :

Specifications	Model	EF-1000	EF-1500	EF-1500-2	EF-2000
Input Supply	Voltage Volts (V)	230	415	230	415
	Frequency (Hz)	50	50	50	50
	Phase (Ph)	1	2	1	2
Max. Output Current	Amperes (A)	1000	1500	1500	2000
Current Drawn	Amperes (A)	30	23	45	32
OpenCircuitVoltage	Voltage DC (V-DC)	6.0	6.5	6.5	7.5
	Voltage AC (V-AC)	4.8	5.2	5.2	6.5
Max. KVA ratings	(KVA)	6	10	10	10
Duty Cycle	50 %, 2 min ON & 2 min OFF				
Class of Insulation	F Class				
Current Control	Thyristorised step-less solid state current control				
Dimensions (LxWxH)	550 mm x 240 mm x 240 mm				
Net Weight	Kilograms (Kg.)	38	38	45	45

Note: Above current output specifications are based on two nos. of 5-meter lengths of 95-mm² prod cables. Shorter prod cables will give higher output current.



Manufactured by
Parikh Industries
Dadra - 396230.

Marketed by

ELECTRONIC & ENGINEERING CO. (I). P. LTD.

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