Unit 14, The Bridge, Beresford Way
Chesterfield, Derbyshire, S41 9FG, UK
Tel: + 44 (0) 1246 452909
Fax: + 44 (0) 1246 452942
Web: www.etps.co.uk
Email: sales@etps.co.uk
Sales: 0800 612 95 75

EAC-MT-SL

Benchtop Motor Driven AC Source

Description

The EAC-MT-SL is a series of AC Power Sources conveniently packaged in a desktop case. These units are a cost effective method of providing an adjustable AC output in applications where the frequency does not need to be varied. The output voltage is set quickly and accurately via a motor regulated transformer. The output is galvanically isolated from the input. The high visibility LED's clearly show the voltage and current being taken from the source. A variety of analogue and computer interfaces are available should remote control be required. If the unit is required to be integrated into a cabinet then it can be optionally built as a 6U cassette. The power supply can also be provided with a leakage current measurement function. This gives the user the ability to check the leakage current up to 20mA between the output of the AC Source and the case or line earth of the unit under test. If the standard output range is not wide enough please contact ETPS for high voltage versions.

- Motor Driven Source with a Setting Time of 100V/sec
- Isolated or Standard Analogue Interfaces
- Leakage Current Measurement
- Computer Interface Options
- Galvanic Isolation

Selection Table

Part Number	Max Power	Output Voltage	Output Current	Dimensions (Width x Height x Depth)
EAC-MT-SL 500	500VA	0 - 270 Vrms	1.87 A	112 x 222 x 360mm
EAC-MT-SL 1000	1000VA	0 - 270 Vrms	3.7 A	224 x 222 x 360mm

Different output ranges and application/user specific options are possible. Please contact ET to discuss your requirements.

made for experts

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Options Table

Code	Description
/ATE	Without display and manual operation
/LT	IEEE488.2 interface with both listener and talker functions (12 bit resolution)
/LTRS232	RS 232, interface, listener and talker
/LTRS485	RS 485 interface, listener and talker
/LT+LTRS232	IEEE 488.2 & RS 232 listener and talker
/LT+LTRS485	IEEE 488.2 & RS 485 listener and talker
/AI-5	0 - 5 VDC Analogue interface for control and measurement
/AI-10	0 - 10 VDC Analogue interface for control and measurement
/ATI-5	Isolated 0 - 5 VDC analogue interface for control and measurement
/ATI-10	Isolated 0 - 10 VDC analogue interface for control and measurement
/CAN	CAN Interface with listener and talker functions
/USB	USB Interface with listener and talker functions
/ETH	Ethernet interface with listener and talker functions over a LAN
/LC	Leakage current measurement 0-20mA
/TG	Carrying handle
/10POT	Potentiometer with scale
/AF	Adjustable Foot
/ECT	19" x 6 U Unit frame for up to 4 desktop units
/ECS6	19" x 6 U rack for up to 4 euro cassettes
/EP21	6U x 21HP grey blanking plate
/EP42	6U x 42HP grey blanking plate
/6HE	Unit built into a 21HP x 6U eurocassette
/R05	0.5% line & load regulation

Technical Data

Input voltage	230 VAC ±10%, 50/60Hz
Isolation	3750 VAC
Digital display for voltage a. current	3½ digit
Regulation	<2.0% (option /R05 for <0.5%)
Response time	<100 V/sec
Protections	Overtemperature, short circuit
Display	3.5 digits for voltage & current
Interface analogue	Option /AI-5 (0-5V) or /AI-10 (10V)
Interface analogue isolated	Option /ATI-5 (0-5V) or /ATI-10 (10V)
Interface RS232/RS485/USB	12 Bit (Option /RS232)
Interface CAN	12 Bit (Option /RS485)
Interface IEEE 488.2	12 Bit (Option /LT)
Operating temperature	0-50 °C
Operating humidity	0-90% (non condensing)
Power derating 50-70 °C	-2%/ °C
Cooling	forced air front to back
Storage temperature	-45 to + 85 °C
Storage humidity	0-95% (non condensing)