

# EAC-MT-SL

## BENCHTOP MOTOR DRIVEN AC SOURCE



POSITIVE PROBLEM SOLVING **+ =**

The EAC-MT-SL is a series of AC Power Sources conveniently packaged in a desktop case. The high visibility LEDs clearly show the voltage and current being taken from the source.

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. A variety of analogue and computer interfaces are available should remote control be required.

- + Isolated or Standard Analogue Interfaces
- + Leakage Current Measurement
- + Computer Interface Options
- + Setting Time of 100V/Sec
- + Galvanic Isolation

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## FURTHER DETAILS

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 unit is required to be integrated into a cabinet then it can be optionally built as a 6U cassette. If the standard output range is not wide enough please contact ETPS for high voltage versions.

### TECHNICAL DATA

#### GENERAL

|   |                                       |
|---|---------------------------------------|
| Input Voltage                           | 230VAC $\pm$ 10%, 50 / 60Hz           |
| Isolation                               | 3750VAC                               |
| Digital Display for Voltage and 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 RS-232 / RS-485 / 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)              |

## SELECTION TABLE

| Part Number    | Max Power | Output Voltage Range | Output Current | Dimensions [ W × H × D ] |
|----------------|-----------|----------------------|----------------|--------------------------|
| EAC-MT-SL 500  | 500VA     | 0 - 270Vrms          | 1.87A          | 112 × 222 × 360mm        |
| EAC-MT-SL 1000 | 1000VA    | 0 - 270Vrms          | 3.7A           | 224 × 222 × 360mm        |

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

## OPTIONS

| CODE        | DESCRIPTION  |
|-------------|--|
| /ATE        | Without display and manual operation                               |
| /LT         | IEEE488.2 interface (12 bit resolution)                            |
| /LTRS232    | RS-232 interface   |
| /LTRS485    | RS-485 interface   |
| /LT+LTRS232 | IEEE 488.2 & RS-232 interfaces                                     |
| /LT+LTRS485 | IEEE 488.2 & RS-485 interfaces                                     |
| /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 |
| /USB        | USB interface  |
| /ETH        | Ethernet interface   |
| /LC         | Leakage current measurement 0 - 20mA                               |
| /TG         | Carrying handle  |
| /10POT      | Potentiometer with scale   |
| /AF         | Adjustable foot  |
| /ECT        | 19" × 6 U Unit frame for up to 4 desktop units                     |
| /ECS6       | 19" × 6 U rack for up to 4 euro cassettes                          |
| /EP21       | 6U × 21HP grey blanking plate                                      |
| /EP42       | 6U × 42HP grey blanking plate                                      |
| /6HE        | Unit built into a 21HP × 6U eurocassette                           |
| /R05        | 0.5% line & load regulation  |

Every effort is made to ensure that the information provided within this technical summary is accurate. However, ETPS Ltd must reserve the right to make changes to the published specifications without prior notice. Where certain operating parameters are critical for your application we advise that they be confirmed at the time of order. ETPS Ltd specialises in modifying its proven platforms to suit your needs. Please contact our office if your requirement is non-standard. Please note that your actual unit may differ from those shown.



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