

## **HIGH VOLTAGE UNIT**

### **SALIENT FEATURES**

- Electronically regulated
- Good line and load regulation
- Over load and short circuit protection
- Smooth variation by ten turn helipot giving high resolution at any setting
- Continuously variable from 0 to 2500V
- Compatible with EC standard nuclear modular instruments
- Latest IC technology

### **INTRODUCTION**

PLA High Voltage Unit Type HV-207A is regulated power supply providing a continuous adjustable voltage from 0 to 2500 volts and a maximum current capacity of one milli ampere.

PLA HV-207A output is available either with +ve polarity only or -ve polarity only.

PLA HV-207A is primarily designed to power photo multiplier tubes, ionization chambers and GM counters. It comes as a part of PLA nuclear systems and is compatible with Indian EC standard nuclear modular instruments.

### **TECHNICAL SPECIFICATIONS**

|                             |                                                                                                                                                              |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>OUTPUT VOLTAGE</b>       | : 0 to 2500 variable with ten turn helipot & dial                                                                                                            |
| <b>OUTPUT POLARITY</b>      | : Positive (See option)                                                                                                                                      |
| <b>OUTPUT CURRENT</b>       | : 1 mA max.                                                                                                                                                  |
| <b>LOAD REGULATION</b>      | : Better than 0.01% from no load to full load                                                                                                                |
| <b>OUTPUT RIPPLE</b>        | : Better than 35mV peak to peak                                                                                                                              |
| <b>CALIBRATION ACCURACY</b> | : 1%                                                                                                                                                         |
| <b>TEMP. COEFFICIENT</b>    | : Better than 100 PPM/°C                                                                                                                                     |
| <b>POWER REQUIREMENT</b>    | : +24V DC at 250mA<br>-12V DC at 10mA                                                                                                                        |
| <b>DIMENSIONS</b>           | : Single width standard module                                                                                                                               |
| <b>Connector</b>            | : 24 Pin amphenol(or equiv.) standard connector for EC std. BIN                                                                                              |
| <b>OPTIONS</b>              | : PLA HV unit can be supplied with only -ve polarity also,<br>against<br>specific requirement. In such cases, please specify<br>specification no.HV208A/1199 |

### **NOTE**

This module is also available with 42 pin connector & suitable for international NIM BIN.

**CAT. NO.: HV-207A/0903**

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