

## MINIM BIN WITH POWER SUPPLY UNIT

(with 42 pin NIM Connectors)

TYPE : MB 404

### Technical Data



#### FEATURES :

- ❑ Compact, rugged, light weight and portable.
- ❑ Significant saving in cost and conserves bench space.
- ❑ Provides space for EIGHT single width NIM modules, as per AEC specifications.
- ❑ Power supply provides +/-12V @1.5A and +/-24V @0.75A and 115V AC @0.25A

**MINIM BIN & POWER SUPPLY UNIT Type :** MB404 manufactured by NUCLEONIX is primarily designed with the objective of conserving bench space and to achieve significant saving in cost

of the Minimbin based Nuclear Counting Systems. Minimbin systems have the advantage of modularity in the system integration. This results into flexibility in interchangeability of

functional modules. A small control panel not occupying any of the available module space is located at the right side of the bin, providing control switches, test points and indicator lamps.

### SPECIFICATIONS

#### MINIMBIN

##### INTERCHANGELABILITY :

Mechanical tolerances in accordance with TID 20893 (Rev) enable interchangeability of all NIM standard modules.

##### PANEL DIMENSIONS :

Standard rack 8 ¾ inches high and EIGHT single bits wide, excluding control panel.

##### DEPTH BEHIND PANEL :

Approximately 10.9 inches

##### BIN CONNECTORS :

EIGHT NIM standard connectors per bin at the panel as specified by Nucleonix wired in parallel for standard voltages.

##### INSTALLED WIRING :

All the eight connectors are wired for +12V,-12V,+24V and -24V and high

quality GND and 115V AC in accordance with TID 20893.

##### CONSTRUCTION :

Bin is constructed with side aluminum with casted handles, top and bottom grilled steel rod mesh with two side channel supports, module guides and a connector plate at the back.

##### MECHANICAL DIMENSIONS :

11.75" width x 11.00 depth upto connector plate x 8.75" height.

##### POWER SUPPLY UNIT

##### POWER SUPPLY UNIT :

This is a compact enclosure seated at the rear side of the bin which generates and provides DC supplies to all the bussed power connectors of the bin.

**INPUT Voltage :** 230V AC, 50 Hz, +/-

10% variation allowed.

##### DC OUTPUT :

+12V DC @1.5A, -12V @ 1.5A, +24V DC @ 0.75A, -24V @ 0.75A, 70 watts maximum output.

##### REGULATION :

Better than +/-0.1%

##### NOISE AND RIPPLE (rms):

Less than 10mV for all supplies as observed at the power supply mating connector level.

##### VOLTAGE ADJUSTMENTS :

+/- 5% minimum range

##### CIRCUIT PROTECTION :

Input AC lines fused. Output is protected against short circuit and power supply recovers fully on removing the short circuit.