

NIM INSTRUMENTATION BIN

TYPE : IB 402

Technical Data



FEATURES :

- ❑ Confirms to AEC specification TID 20893 (Rev).
- ❑ Bussed wiring for all the twelve NIM connectors.
- ❑ Right side control panel for power ON/OFF switch. LV test sockets and Neon Indicator.
- ❑ Designed to house NIM standard modules.
- ❑ Elegant mechanical construction.

The Modular System **NIM BIN IB402** manufactured by NUCLEONIX confirms to the recommended standards of AEC report TID-20893 (Rev) "Standard Nuclear Instrument Modules". This report, the work of a committee of equipment users from AEC related institutions, provides standards for a modular instrument system that allows electrical and mechanical interchangeability of units made in conformance with the standards. This standard prescribes the necessary mechanical dimensions and connector types to ensure mechanical interchangeability. They also specify standard power supply voltages and pin assignments in the connectors so that electrical interchangeability is assured, atleast with respect to the main connector joining module to bin.

IB 402 Modular System Bin provides mounting space for twelve standard modules each of 1.35 inches width and 8 ¾ inches high type. The twelve corresponding module connectors are provided with necessary wiring for distribution of all the standard power supply voltages. 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 lamp for power supply.

SPECIFICATIONS

Interchangeability :

Mechanical tolerances in accordance with TID 20893 (Rev) the bin provides for all standard modules.

Panel Dimensions :

Standard rack 8 ¾ inches high and 19 inches wide.

Module Connectors :

Twelve connectors of 42 - Pin Type per bin at the panel as specified by TID-20893 (Rev) or Equivalent.

Depth Behind Panel :

Without power supply 10.9 inches, with power supply 18 inches (approx)

Installed Wiring :

All connectors of IB402 are wired in parallel for +6V, -6V, +12V, -12V, +24V and -24V, High quality GND, power return and 117V/230V AC in accordance with TID-20893 (Rev).

Construction :

Bin is constructed with side aluminum with casted handles, top and bottom grided steel rod mesh with two side channel supports, module guiding channels made up of plated steel rods with 'U' grooves and connector plate at the back.

Mechanical Dimensions :

400mm Width x 266mm Depth x 220mm height (approx.)

Weight : 4 Kg (approx)

Note : Essential attachment : Power Supply PS402/PS402H.