

STANDARD INSTRUMENTATION BIN

TYPE : IB 401

Technical Data



FEATURES :

- Sturdy and elegant mechanical construction.
- Designed to house standard modules with amphenol connectors.
- Can accommodate 12 single width modules or combination of multiple width modules.
- Attached power supply to power the modules.
- Has control panel with power ON/OFF and LV monitoring sockets.

NUCLEONIX Modular Instrumentation Bin IB401 had been designed to provide mechanical and electrical facilities to accommodate various nuclear instrument modules. Upto 12 single width modules or combination of multiple width modules can be accommodated.

The module guiding channels made up of plated steel rods facilitate easy sliding-in and positioning of modules at the same time, adding strength to the bin.

The power ON-OFF switch, indicating lamp & monitoring points are all mounted on a thin vertical control panel conveniently located on right extreme of the bin.

Also the power supply is conservatively rated to power any combination of modules that the bin will physically accommodate. IB401 modular system Bin provides mounting space for twelve standard module width of the 8 ¾ inches high type. The twelve corresponding module connectors are provided with necessary wiring for distribution of the 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 lamps for power supply.

SPECIFICATIONS

Interchangeability :

Mechanical tolerances as per standards provided, enable interchangeability of all standard modules.

Panel Dimensions :

Standard rack 8 ¾ inches high and 19 inches wide.

Depth Behind Panel :

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

Bin Connectors :

Twelve connectors of 24 - Pin (Female) Type: 26-190-24 (Amphenol) wired parallel for standard voltages.

Installed Wiring :

All connectors of IB401 are wired in parallel for +6V, -6V, +12V, -12V, +24V and -24V, High quality GND, power return and 230V AC.

Construction :

Bin is constructed with side aluminum flanges with casted handles, top and bottom gridded steel rod mesh with two side channel supports, module guides with 'U' grooves and connector plate at the back.

Mechanical Dimensions :

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

Essential options : (a) Power supply Type : PS401 or (b) Power Supply Type : PS401H