



## Characteristics:

## BDI-2001A Series

1. The BDI-20011A is build for regular AC operation and a wide variety of factory preset voltages are available.
2. BDI-2001A-Load cell excitation voltage of 12V/DC with the capability of driving up to 8 load cells (350Ω) in parallel.
3. High 180,000 count internal resolution and a 15,000 display resolution delivers for the most demanding applications.
4. No need to repeatedly load and unload the calibration weight. Full digital calibration makes setting zero and span a breeze now with fine span adjustment. Calibration information is stored in non-volatile memory.
5. If provided with Li-battery back- up of 8K bytes SRAM. The information will not disappear even if power failure.
6. The settings of function and weighing parameters are all stored in the EEPROM. The storage duration is over than 40 years.
7. Two models provided with weighing check function. It can provide users with the application. (the buzzer inside)
8. Users can adjust the intensity of digits filter to avoid mechanical vibration due to external operational environments to achieve high-speed and accurate measurement.
9. STANDARD OUTPUT:
  - (a) The BDI-2001A supply 20mA current loop output capable of remote indicators.
  - (b) A 25 pin din Socket is located on the rear panel for remote control of keyboard function.
10. OPTIONAL RS-232:- Bi-directional RS-232 can be connected to virtually and computer, printer or other peripheral.
11. It provides extended selective equipment's:
 

Printing output interface, to connect common printers or mini printers with various printing formats and styles.

## Specifications input and A/D conversion

Input sensitivity	>0.6 V/D
Zero adjustment range	0.6mV-24mV
Load cell excitation	DC 12V 5%, 300mA with Temperature compensation, And load cell of 350 ohm.
Non-Linearity	0.01% F.S
Input noise	0.3uv P-P
Input Impedance	More than 10MΩ
A/D conversion type	Double-slope integration
A/D internal resolution	180000
Sampling speed	8 times/sec

## Digital Section:

Maximum display resolution	1/15000
Weight display	7 digits w/ decimal point triangle pointer
Under zero Indication	Minus sign
Minimum division	X1, X2, X5, X10, X20, X50
Decimal Point placement	Up to 3 decimal digits w/o decimal point
Maximum display	750450

## Standard interface connector:

Current Loop	20mA output
INPUT	Zero Tare, Gross/Net, Acc, Print, Tare, Clear, Contact of electric eye input

## Options

OP-2 Serial output Interface	RS232, 422/485
OP- Parallel output interface	Printer interface

## Digital Section:

Power	AC 220V 10%, 50Hz, Power dissipation of about 25VA
Weight	About 3.2kg (7.054 pound)
Operation temp range	-10 C~ 45 C
Operation Humidity	85% prohibition from dew

\* Designs and specifications are subject to change for improvement without prior notice.

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