

An ISO 9001 Certified Company



Innovating since 1977

Bagging Controller DS-16AA3



DS-16AA3 is the heart of the bagging machine. This new powerful compact controller is action-packed and accurately handles the controls of the bagging machine. It can be configured for net weight bagging or gross weight and has the capability to accept inputs from the foot switch and gate feedbacks. An innovative analog-to-digital controller with superior noise suppression allows bagging at very high speeds (as high as 10-12 bags per minute). The feed controls are in coarse, fine and ultra-fine which helps in very precise control on the bag weight. The controller is equipped with a communication port enabling it to connect to the network and transfer data in real-time. It also has memory to store data such as bag counter and material totalizer.

Typical features include

- 32-bit ARM CPU with 72MHz clock & higher arithmetic speed.
- 6+10-digit digital display
- 24-bit High-precision and high-speed Σ - Δ /D conversion module with 1/1,000,000 internal resolution and sampling frequency 400Hz
- Max. Connection Quantity: 8 Loadcells (350 Ω).
- Auto Zero Initial Calibration after Power-on, Auto Zero Tracking, Zero Fine Adjustment, Zero Calibration and Load Calibration functions available.
- Auto-locking, Key-locking, Key-unlocking, Digital Setting & Calibration and I/O Testing functions available
 - Optional 'High/Medium/Low Speed Feed' DOs for feeding control. Optional Low-speed Feeding Modes: Continuous Feeding Mode and Inching Feeding Mode

Bagging Controller DS-16AA3



Technical Specifications

| | |
|------------------------------|---|
| Display | 6+10-digit digital display |
| | Weight Display Range: -99,999~+999,999. |
| | Display Resolution: 1/100,000 |
| | Weight Unit: Optional kg, t, g, none |
| | Display Refreshing Time: Setting Range 0.01~1.00s. |
| Keypad | 8-key keypad. |
| | Menu & Shortcut mode operation with key tone. |
| Loadcell Interface | Excitation Voltage/Max. Current: DC10V/250mA [8-350Ω loadcells]. |
| | Signal Input Range: 0~25Mv |
| | Output Sensitivity of Loadcell: 1.0~2.5mV/V |
| | 24-bit Σ - Δ ADC with internal resolution 1/1,000,000 |
| | Sampling Frequency: 400Hz |
| | Non-linearity: 0.005%FS. |
| Digital Communication | Optional RS232/RS485/Profibus /Ethernet modules |
| | Connectable: PLC/LED Remote display |
| Report Print | The present Batch Record can be printed automatically and manually. |
| Dimension | Panel-mounting: 164×82×188mm [W×H×D] |
| Weight | Panel-mounting 1.6kg |
| Protection Level | Front Panel of Panel mounting: IP 65 |
| Operating Temperature | -25°C to +45°C. |
| Storage Temperature | -30°C to +60°C. |
| Relative Humidity | Max. 85%RH. |

IPA Pvt. Ltd.

472/B2, 12th Cross, IV Phase,
Peenya Industrial Area,
Bangalore - 560 058
Ph: +91 80 - 2836 0253 / 2836 2851
Email: sales@ipaindia.com
www.ipaindia.com



An ISO 9001 Certified Company