

## AHW SERIES LOSS IN WEIGH FEEDERS



### **AHW SERIES LOSS IN WEIGH FEEDERS**

AHW series loss in Weigh Feeders are designed for accurately blending of fine powder solids. The system consists of a high precision bin weighing with a variable speed screw feeder attached to it. The in-fill is controlled through a pneumatically / electrically operated gate. The rate of change in weight is measured and the screw speed is controlled to match the process requirement by using an advanced PID algorithm. Cumulative value of material discharged is provided along with flow rate retansmission. Optionally, digital communication feature is available for third party interface.

### **SYSTEM FEATURES**

- + System accuracy of +0.5% or better of Full Scale.
- + Multiload cell weighing mechanism for higher consistency and accuracy.
- + Controller with Isolated Modules for added safety.
- + Modular construction for future expandability of features.
- + Monitoring of I/O signals and sensor status through Controller in electrical engineering values.
- + OIML-C3 approved and IP-68 Protected Load cells with Stainless Steel construction.
- + Highly precise non-contact type optical encoder with IP-68 protection.
- + VVVF Drive with sensorless vector control and IP-20 Protection

### **OPTIONAL FEATURES**

- + Digital Communication via RS232/RS485/PROFIBUS/MODBUS/ETHERNET/DEVICENET.
- + Expansion of both Digital Inputs and Outputs Upto 20Nos. individually.
- + Online trending and bar graph representation of process values on controller screen.
- + Touch Screen based Intelligent terminal for Remote monitoring and control.
- + Load cells with in-built Surge protection.

## AHW SERIES LOSS IN WEIGH FEEDERS

### AUTOWEIGH-2000 Controller

- + Modular construction.
- + In-built TARE RUN feature to detect average empty belt weight.
- + 0.25uV Input sensitivity.
- + In-built PID control algorithm.
- + User friendly alarm messages in simple English text.
- + Multilevel password protection.
- + Two Totalisers (One Non--resettable.
- + Input voltage range of -40mV to +40mV for load cell signals.
- + Analog output of 4-20mV-10V DC for flow rate retransmission.
- + Compact size of 96Hx96Wx150D (mm)



Simple Alarm message

### LOAD CELL

- + Beam type load cell.
- + OIML-C3 approved and IP-68 protection.
- + Stainless Steel construction.
- + Sensitivity of 2mV/V
- + Safe overload capacity of 200%
- + Non-linearity 0.01% of full scale.
- + Combined error 0.017% of Full scale.
- + Operating Temperature -40 to 80 C



### OTHER RANGE OF PRODUCTS

- AWBS Series Belt Weigh Feeders
- AHW Series Solo/Hopper Weighing Systems
- AHW Series Batch Weighing Systems
- AHW Series Loss Weight Feeders
- AWB Series Road Weigh Bridges
- AHW Series Furnance Feeding Systems
- In-motion Rail Weigh Bridges
- Customised Weighing Systems

Corp. Office - ACME AUTOMATION PVT. LTD., 2nd Floor, 3-6-288/1/B/1, Street No.4,  
Beside HDFC Bank, Hyderguda, Hyderabad-500 029. Tel : 040-65656519.

Registered Office & Works - 18-K, Light Industrial Area, Bhilai - 490 026 (C.G.)  
Tel : +91 0788- 6053333, Fax : +91 0788- 2285917