SAIMO
Weighing Packaging Inspection

Weighing Indicators & Controllers

Saimo's 6000A Series Integrators and Controllers provide outstanding functionality, flexibility and reliability to our end users with innovation and up to date digital technology. Each model in our range is designed for specific applications to cover the spectrum of all weighing and control requirements

Features

° Digital integrator
Offers accurate and shiftless characteristics
° Auto zero
The integrator will auto-calculate and set up a new zero through the easy operation.
° Auto calibration
Offers auto calibration modes to the customers.
° Zero tracking
The system can auto track the zero.
° Programmable
Programmable integrator input/output ports can match the requirements from different customers
° Filter selection
Filter time adjustable
° Modular structure
Modular structure including main board, power panel, input/output board etc. makes the maintenance easy.
° Zero dead zone
Set-up the zero dead zone to eliminate the interference from the small signal.

° Time input
YY-MM-DD calibration
° Password input
Data protection and prevent the unauthorized modification.
° Language selection
English display
° Self-diagnosis
This can self-diagnose the malfunctions of the multi-path load cell, speed sensor, system interior (CPU, memory, display, etc.).
° Auto-compensation
Flow non-linearity auto-compensation calculation, belt obliquity change auto compensation calculation, moisture compensation calculation based on the moisture values of the materials fed.
° Balance adjustment
Interior auto balance adjustments of more than two load cell systems.

Weighing

SM6501 Filler /Bagger Controller
Saimo's SM6501 Filler /Bagger controller is designed to be used for various applications including carton filling, bag filling or bulk bag filling and etc. It has multi way digital I/O to control the feeding devices or the gate of the hopper.

SM6502 Batch Controller
Saimo's SM6502 batch controller is designed to be used in food ,chemical and pharmaceutical industry where there need to feed several kinds the material into one container. The controller has up to 100-setup point for different material.

SM6503 Hopper weigher indicator
Saimo's SM6503 hopper weigher indicator is designed to be used in food ,chemical and pharmaceutical industry to measure the weigh of different hopper, container and other applications.

SM6601Checkweigher controller
Saimo's SM6602 checkwigher controller measures the package weight when it pass the weightable,compare with the predetermined weight range and send out the signal for rejection or divide the product to different zones.

SM6701 Loss in weight controller
Saimo's SM6701 loss in weight controller is designed to be used for loss in weight feeder for various industries including the chemical,food,pharmaceutical and other industries.

6101 Belt Scale Integrators
The 6101 belt scale integrator from Saimo can measure the instantaneous flow rate and totalize by integrating the load cell and speed sensor signals of bulk material running over the belt conveyor system

6105 Belt Scale and Feeder Controllers
Saimo's 6105 Feeder Controller is designed for coal and weigh belt feeders.The 6105 is based on the same platform as the belt scale Integrator and can measure the instantaneous flow rate and totalize tonnes derived from integration of the load cell and speed sensor signals. In addition the feeder controller has a PID output function that provides a 4-20mA PID output to control the speed of a pre-feed device or its own feeder speed control.

Specifications

° Housing
Field mounting: Outline: 312°¡ 380°¡ 150mm
Mounting hole size: 240°¡ 450mm
Rate:IP67
Panel mounting: Outline: 288°¡ 144°¡ 185mm
Openning size: 140°¡ 284mm
°¡ Temperature
working temperature: -10 ~ 50°Ê
storage temperature: - 40 ~ 70°Ê
° Power supply: 220VAC,50Hz
° Display: 320°¡ 240 lattice LCD can display Chinese characters, graphs and histograms etc.
° Keyboard: 25 operational buttons. All buttons offers trigger feedback.
° Measurement unit: ton, kg,kg/h,t/h
° Memory: E^2PROM memory that can store the data when power down
° Accuracy/non-linearity: weight load from 0% to 105%of the full load, the error is less than 0.005%.
° Electronic circuit: 32bits ARM host processor (built-in watch-dog circuit that can prevent the system breaking), 24 bits analog-to-digital converter, and real-time clock system.
° 6 function expansion slots: 6 groups
° Weight: Field type: 13kg
Panel type: 8kg
° Digital signal input and output
° 8 ways programmable digital input allows the integrator accept the input from different equipments' switching value.
° 12 ways programmable digital output offer different information or trigger the secondary devices.
° Analog signal input/output:
Input: millivolt signal from the load cell
Output: standard 0 ~ 20mA or 4 ~ 20mA one way current output used on the flow
° Communication:
RS232 or RS485 communication interfaces
10M field bus as Ethernet, PROFIBUS° CAN° DEVICENET etc.
USB° GPRS° CDMA° wireless network card, infrared communication, blue tooth communication
° Control: PID adjusted control output
° Reports:Deal with the data reports as shift reports and daily reports etc.

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