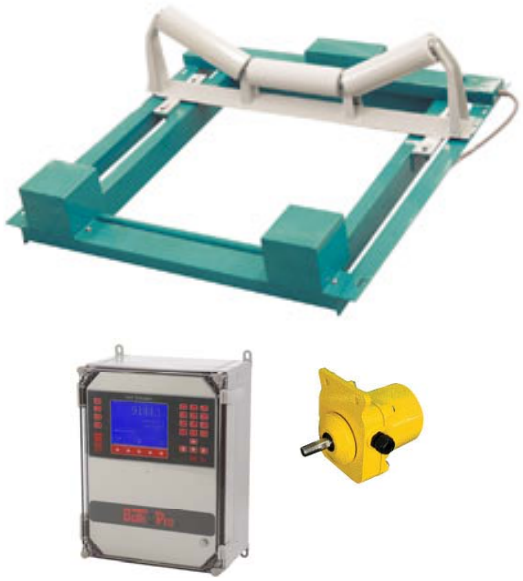
Model N-62
Belt Scale System



Model N-62 Belt Scale System

The Bulk Pro Systems Model N62 Belt Scale System is suitable for heavy duty belt conveyor weighing in plant, and precise control feed to crushers, mills, screens and other processes at an accuracy of ±0.5%. It also can monitor production, regulate product load out and monitor product inventory. This belt scale system provides crucial information for the successful management and efficient operation of your plant.

The Bulk Pro Systems Model N-62 Belt Scale System is designed for all purpose weighing applications in harsh industrial environments. It allows you to control feed rates to crushers, screens, mills, stockpiles and other processes with a guaranteed accuracy of ±0.5%. It can help you automate your production output, inventory or load-out and provide you with crucial information for the running of your plant.

The Bulk Pro Systems Model N-62 incorporates either a single idler(N-62-1) or dual idler(N-62-2) weighbridge assembly and the Model N60 Belt Speed Sensor with the powerful microprocessor based electronics of the Bulk Pro Systems Model 6101 Integrator. The single-idler weighbridge can be applied in conveyors with belt widths from 18”(457mm) to 72”(1,829mm) and the dual-idler weighbridge can be applied to belt widths ranging from 18”(457mm) to 72”(1,829mm).

The Bulk Pro Systems Model N-62 Belt Scale System is easy to install and can be mounted inside or out. It’s heavy duty construction allows for installation in industrial and extreme environments. The N-62 weighbridge uses two frictionless trunnion-type pivots, fully sealed from moisture and material build-up. It’s Strain gauge load cells mounted in tension, ensuring reliable and precise performance. Counterweighted carriages are available for conveyors with light loading.

SPECIFICATIONS

Load Cell

- Single Point Strain Gauge
- Housing: Stainless Steel
- Excitation: 10VDC ± 5%
- Load cell output: 3.0 mV/V
- Nonlinearity: <0.03% FS
- Repeatability: <0.01% FS
- Hysteresis: <0.02% FS
- Operation temperature: -22~158°F (-30°C~ +70°C)
- Temperature Sensitivity:
  - Span 0.002% FS/°C
  - Zero 0.002% FS/°C
- Safe Overload: 150% of load cell capacity

6101 Series Integrator

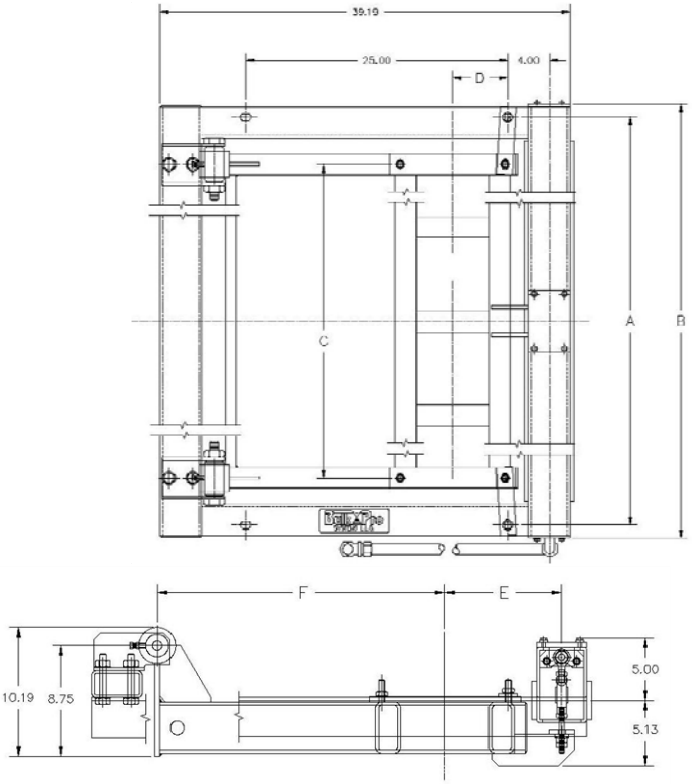
- Enclosure, Field mount:
  - Outline dimensions: 12.28x15x5.91" (312×380×150mm)
  - Mounting hole dimensions: 9.45x17.72" (240×450mm)
- Enclosure, Panel mount:
  - Outline dimensions: 11.34x5.67x7.28" (288×144x185mm)
  - Front Panel dimensions: 11.18x5.51" (284x140mm)
- Temperature Rating:
  - Operating: 14 to 122°F (-10 to 50 °C)
  - Storage: -40 to 158°F (-40 to 70 °C)
- Power Requirements:
  - 120/220 VAC ±10% Switch Selectable
- Display Resolution:
  - LCD 320×240 pixels, English/Chinese language with graphs displayed on-screen: histogram, curve graph, etc.
- Keypad:
  - 25 operating keys. All keys provide tactile feedback
- Measurement Unit:
  - Tons, Kg
- Memory;
  - FRAM memory, data retention when power is interrupted or disconnected.
- Accuracy / Non-Linearity;
  - Less than 0.01% of net for load ranging from 0% to 105% of full scale.
- Circuit Construction;
  - 32-bit RAM Microprocessor, with built-in watchdog preventing system halt, 24-bit A/D converter, real-time clock system.
- 8 programmable open collector outputs
- 6 programmable open collector inputs
- Analog 4-20mA Output & Pulse Output
- Expansion Slots, 3 for optional communications
- Shipping weight:
  - Field Mount, 30 lbs (13.6 Kg)
  - Panel Mount, 8 Kg

Model N60 Speed Sensor

The model N60 speed sensor is used for series N64, N62 and N61 belt scales. Sensor is directly coupled to the conveyor tail pulley or any other non-driven pulley with a minimum of 15-30 degrees of wrap.

The speed sensor is a brushless pulse generator which gives a series pulse. Each pulse represents one unit of belt travel, the pulse frequency is proportional to belt speed.

- Die cast aluminum housing, weather proof.
- Yellow urethane enamel finish.
- Brushless AC pulse generator requires no adjusting or replacement of brush.



BULK PRO SYSTEMS MODEL N62 SINGLE IDLER BELT SCALE						
DIMENSIONS (INCHES)						
BELT WIDTH	**A**	**B**	**C**	**D**	**E**	**F**
18	27	30	18	4	8	24
24	33	36	24			
30	39	42	30			
36	45	48	36			
42	51	54	42	5.25	9.25	22.75
48	57	60	48			
54	63	66	54			
60	69	72	60			
72	81	84	72			
A minimum of 8" must be allowed between the return belt & top of stringer						

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