CANSTAR
Instruments Inc.

CANSTAR BUNDLE LIFT WEIGH SCALE

vs 140424

The Canstar Bundle Weigh Scales is developed for the forest industry where bundles of lumber, OSB or plywood are required to be weighed for QA, process optimization for freight purposes, with resolution at 0.1kg (~0.2lbs)

The Bundle Lift Weighing system is developed for both two and three rail conveyor systems, as well can be adapted to accommodate plant specific requirements.

Three rail conveyor system: model 131780-3

Two rail conveyor system: model 131780-2

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Specifications:

Scale dimensions are to suit local envelope to suit conveyor height and length for weighing system available, but are approximately 4’ by 6’

Leveling System:
Canstar LPLA Load Point Leveling System included for the perfect set up and leveling capability of the scale system

Picture shows the LPLA and the Hardy Advantage Load Point Assembly

Weighing System:

> Scale capacity is a nominal 9,000 lbs
Capacities can be adjusted to suit application
> Hardy 4050 Weight Controller, other models are available
> Four (4) Hardy Advantage Load Point Assemblies mV/V and Mv/V/Ohm electronically balanced
> Canstar LPLA Load Point Leveling Assemblies
> C2 Electronic calibration (no test weights required)
> WaverSaver - Eliminates plant & process vibration
> IT-Integrated Technician Technology included
> Communications available:
DeviceNet, Profibus, Modbus TCP/IP, ControlNet, Ethernet TCP/IP, AB RIO

Lifting System:

> Four (4) Pneumatic lifting cylinders (designed for 90 psi air systems), will operate less pressure (i.e. 60 psi) for 1500kg bundles
> Each Pneumatic lifting cylinder comes with individual precision airflow control
> Each cylinder is furnished with air cushioning
> Pressure regulator comes with lock facility for isolating the lifting system
> SS Pneumatic airlines
> 24Vdc operated solenoid valve

Specifications (typical):

Scale dimensions	4' x 6' approximately
Scale capacity	nominal 9,000 lbs
Leveling System	Canstar LPLA - Load Point Leveling Assembly
Weighing System	Hardy 4050 Weight Controller, communications of your choice
Load Sensors	(4) Hardy Advantage Load POint Point Assemblies
Lifting System	(4) dual acting pneumatic cylinders, 90 psi, with individual flow control and air cushioning c/w SS tubing, regulator (with locking facility) and 24Vdc valve
Power requirements	24VDC to control solenoid 120Vac, 1ph, 60 Hz, 0.5 Amp, 10 Watts clean/instrument power

Please provide the following information for a quote on a Canstar Bundle Lift Weigh Scale:

- Drawing of your conveyor system Yes / No
- Pictures of proposed location for the scale Yes / No
- Envelope dimensions:
  - Conveyor top height (floor to top of beam) _____inch / m
  - Conveyor under the rail beam height (floor to bottom of beam) _____inch / m
  - Maximum distance for length from foot to foot in the travel direction _____inch / m
  - minimum bundle dimensions _____ft / m
  - maximum bundle dimensions _____ft / m
  - minimum bundle weight _____lbs / kg
  - maximum bundle weight _____lbs / kg
  - confirm plant air pressure available _____psi / bar
  - choose plant automation communications required (i.e. to PLC, SCADA, etc)

  DeviceNet
  ControlNet
  Ethernet TCP/IP,
  Modbus TCP/IP,
  Allen Bradley Remote IO
  Analog (available but not recommended due to resolution and system status monitoring for bundle scale weighing)

You may contact Jacob Wiebenga at Canstar Instruments for more information and consultation in regards to your application.

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Precisely *