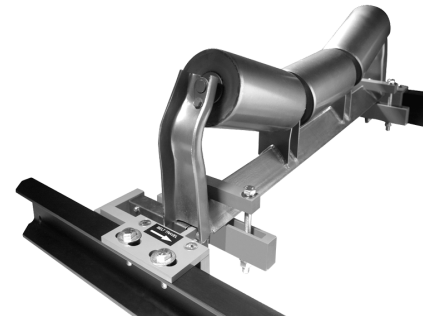


Milltronics MCS belt scale is a compact, rugged belt scale with stainless steel load cells for use in mobile crushers and aggregate screening plants. It provides continuous, in-line weighing at minimal cost. The MCS stainless steel load cells ensure long-term, consistent, reliable measurement.

The modular construction and easy assembly of the MCS ensures quick delivery to meet even the tightest of schedules.

Operating with one of Milltronics' microprocessor-based integrators, the MCS provides indication of flow rate, total weight, belt load, and belt speed of bulk solids materials on a belt conveyor.

A Siemens Milltronics speed sensor monitors conveyor belt speed for input to the integrator. On mobile crushing equipment, the TASS speed sensor is a compact, rugged speed sensor designed for use with the MCS.



Product Features

- Rugged design
- Low profile
- Easy retrofit
- Low cost
- Stainless steel load cells

Technical Specifications

Accuracy

- ± 0.5 to 1% of totalization over 4 to 1 operating range, application dependent

Belt Width

- up to 1200 mm (48" CEEMA) width
- refer to the outline dimension section

Belt Speed

- up to 3 m/s (600 fpm)

Capacity

- up to 1200 t/h (1320 STPH) at maximum belt speed

Conveyor Incline

- $\pm 20^\circ$ from horizontal, fixed incline
- up to $\pm 30^\circ$ with reduced accuracy

Idler Profile

- flat to 35°
- up to 45° with reduced accuracy

Idler Diameter

- 100 to 150 mm (4 to 6")

Idler Spacing

- 0.6 to 1.2 m (2.0 to 4.0 ft)

Load Cell

- construction: stainless steel
- excitation: 10 Vdc nominal, 15 Vdc maximum
- output: 2 mV/V excitation at rated load cell capacity
- non-linearity: 0.02% of rated output
- hysteresis: 0.02% of rated output
- non-repeatability: 0.01% of rated output
- capacity: 50, 100, 250 lb stainless steel
- overload: safe 150% of rated capacity, ultimate 300% of rated capacity
- temperature:
 - -40 to 65°C (-40 to 150°F) operating range
 - -10 to 40°C (15 to 105°F) compensated

Weight

- up to 20 kg (44 lbs), 10 kg (22 lb) per side

Interconnecting Wiring (to integrator)

- < 150 m (500 ft.) 18 AWG 6 conductor shielded cable
- > 150 m (500 ft.) to 300m (1000 ft.) 18 to 22 AWG 8 conductor shielded cable

Hazardous Locations

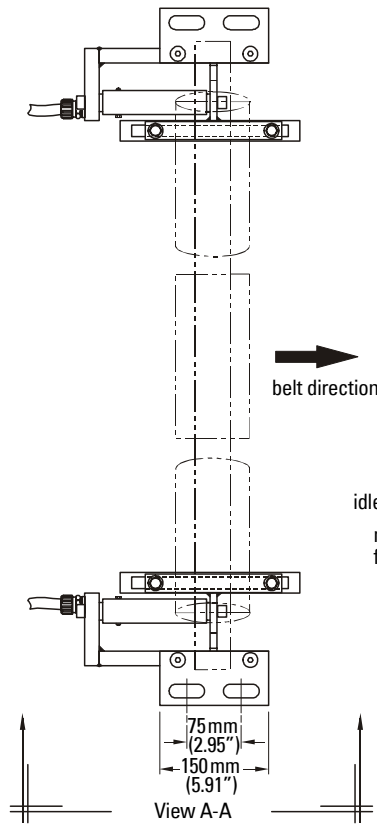
- with the use of approved intrinsically safe barrier strips

Approvals

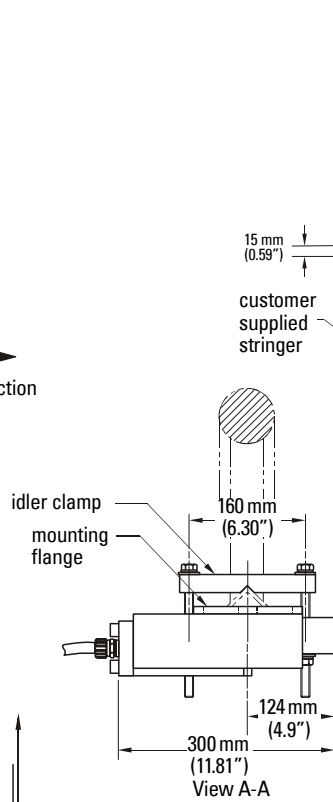
- CE

Dimensions

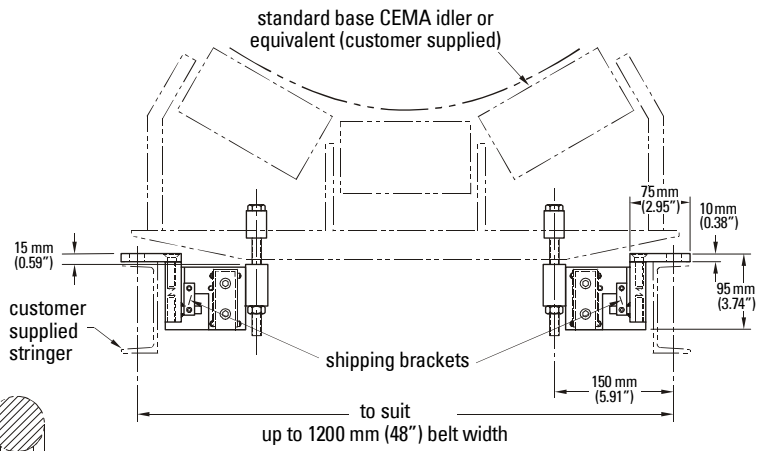
Plan View



Side View



Front View



Wiring

