

Overview



Milltronics MSI is a heavy-duty, high accuracy full-frame single idler belt scale used for process and load-out control. Idler not included with belt scale.



Milltronics MMI is a heavy-duty, high accuracy multiple idler belt scale used for critical process and load-out control. Idler not included with belt scale.

Benefits

Milltronics MSI belt scale

- Outstanding accuracy and repeatability
- Unique parallelogram style load cell design
- Fast reaction to product loading; capable of monitoring fast moving belts
- Rugged construction
- SABS approval (South Africa), OIML, MID, and Measurement Canada

Milltronics MMI belt scale

- Exceptional accuracy and repeatability
- Unique parallelogram style load cell design
- Suitable for uneven or light product loading
- Capable of monitoring fast moving belts
- Low cost of ownership
- NTEP, OIML, MID, and Measurement Canada approved

Application

Milltronics MSI belt scale

Milltronics MSI belt scale provides continuous in-line weighing on a variety of products in primary and secondary industries. It is proven in a wide range of tough applications from extraction (in mines, quarries and pits), to power generation, iron and steel, food processing and chemicals. The MSI is suitable for monitoring such diverse products as sand, flour, coal, or sugar.

The MSI's proven use of parallelogram-style load cells results in fast reaction to vertical forces, ensuring instant response to product loading. This enables it to provide outstanding accuracy and repeatability even with uneven loading and fast belt speeds.

Operating with Milltronics BW500, SIWAREX WT241, WP241, or FTC microprocessor-based integrators, the MSI provides indication of flow rate, totalized weight, belt load, and belt speed of bulk solid materials. A speed sensor monitors conveyor belt speed for input to the integrator.

The MSI is installed in a simple drop-in operation and may be secured with just four bolts. An existing idler is then attached to the MSI dynamic beam. With no moving parts, maintenance is kept to a minimum, with just periodic calibration checks required.

Milltronics MMI belt scale

Milltronics MMI belt scale consists of two or more MSI single idler belt scales installed in series. It provides high accuracy continuous in-line weighing on a variety of products in primary and secondary industries. The MMI system is proven in a wide range of tough applications from extraction to power generation, iron and steel, food processing and chemicals. The MMI is suitable for monitoring such diverse products as fertilizer, sand, grain, flour, coal, or sugar.

The MMI's proven use of parallelogram-style load cells results in fast reaction to vertical forces, ensuring instant response to product loading. This enables it to provide outstanding accuracy and repeatability even with uneven or light loading, short idler spacing and fast belt speeds. Operating with Milltronics BW500 integrator (for custody transfer applications), the MMI provides indication of flow rate, total weight, belt load and belt speed of bulk solids materials on a belt conveyor. A speed sensor monitors conveyor belt speed for input to the integrator.

The MMI is installed in a simple drop-in operation and may be secured with just eight bolts and existing idler sets, secured to the dynamic beam. With no moving parts, maintenance is kept to a minimum, with just periodic calibration checks required.

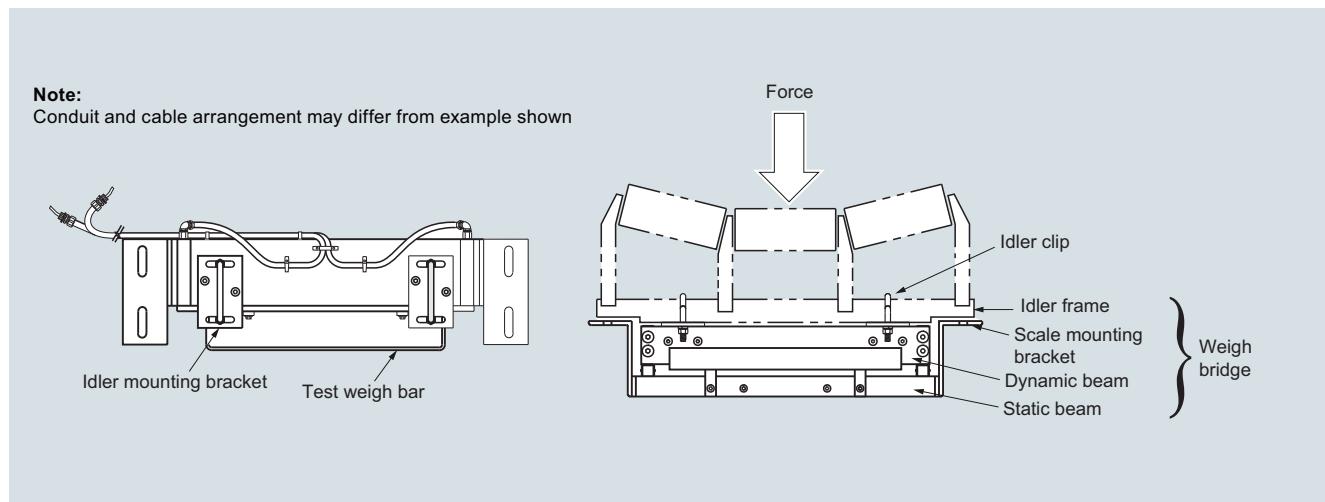
Belt Weighing

Belt scales

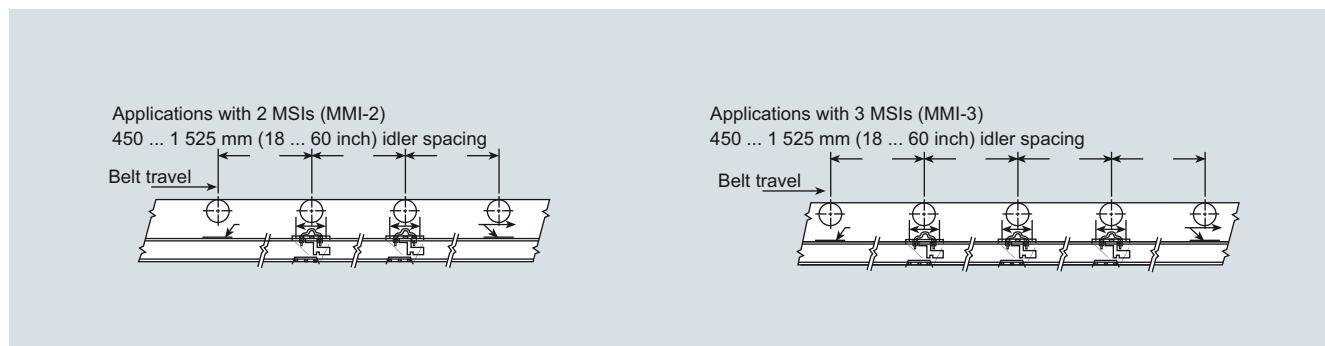
Milltronics MSI and MMI

Design

Mounting



MSI/MMI mounting



Mounting (two or more MSI units)

Technical specifications

Milltronics MSI/MMI		Milltronics MSI/MMI	
Mode of operation		Load cell	
Measuring principle	Strain gauge load cells measuring load on belt conveyor idler(s)	Construction	Stainless steel construction with 304 (1.4301) stainless steel cover
Typical application		Degree of protection	Strain gauge protection: polybutadiene
• MSI	Control in fractionated stone blending tunnels		IP67, IP65 on hazardous approved models
• MMI	Custody transfer	Cable length	3 m (10 ft)
Measurement accuracy			Note: to calculate installation cable length subtract 3 048 mm (120 inch) from the "A" dimension
Accuracy ¹⁾		Excitation	10 V DC nominal, 15 V DC maximum
• MSI	± 0.5 % or better of totalization over 20 ... 100 % operating range	Output	2 ± 0.002 mV/V excitation (nominal) at rated load cell capacity
• MMI-2 (2 idler)	± 0.25 % or better of totalization over 20 ... 100 % operating range	Non-linearity and hysteresis	0.02 % of rated output
• MMI-3 (3 idler)	± 0.125 % or better of totalization over 25 ... 100 % operating range	Non-repeatability	0.01 % of rated output
Note: available with system specification option D only		Capacity	
Repeatability	± 0.1 %	• Maximum ranges	25, 50, 100, 250, 500, 750, 1 000, 1 250, 1 500, 2 000 lb
Medium conditions		Overload	150 % of rated capacity, ultimate 300 % of rated capacity
Material temperature	-50 ... +200 °C (-58 ... +392 °F)	Temperature	• -50 ... +75 °C (-58 ... +167 °F) operating range, optional -50 ... +175 °C (-58 ... 347 °F) • -40 ... +65 °C (-40 ... +150 °F) compensated • -10 ... +40 °C (14 ... 104 °F) compensated on trade approved versions
Belt design		Weight	See dimensions section
Belt width	• 18 ... 96 inch in CEMA sizes ²⁾ • Equivalent to 500 ... 2 400 mm in metric size ²⁾ • Refer to dimensions section	Interconnection wiring (to integrator, per MSI)	< 150 m (500 ft) 18 AWG (0.75 mm ²) 6 conductor shielded cable > 150 m ... 300 m (500 ft ... 1 000 ft) 18 ... 22 AWG (0.75 ... 0.34 mm ²), 8 conductor shielded cable
Belt speed	Up to 5 m/s (1 000 fpm) ²⁾	Approvals	<ul style="list-style-type: none"> • CSA/FM Class 1, Div. 1, Groups A, B, C, Class II, Div. 1, Groups E, F, G, and Class III • ATEX II 1GD, Ex ia IIC T4 Ga, Ex ia IIIC T135 °C Da, ATEX I M1, Ex ia I Ma • ATEX II 2D Ex tD A21 IP65 T90 °C • EAC Ex • IEC Ex 1G Ex ia IIC T4 Ga, Ex ia IIIC T135 °C Da M1, Ex ia I Ma • MSHA • CE, RCM, EAC, KCC, CMC, RTN
Capacity	Up to 12 000 t/h (13 200 STPH) at maximum belt speed. Please contact a Siemens representative for higher rates. ²⁾	Metrology approvals	Measurement Canada, MID, OIML, SABS ⁴⁾ , NTEP ⁵⁾ , STAMEQ, GOST
Conveyor incline	• ± 20° from horizontal, fixed incline • Up to ± 30° with reduced accuracy ³⁾		
Idlers			
Idler profile	• Flat to 35° • Up to 45° with reduced accuracy ³⁾		
Idler diameter	50 ... 180 mm (2 ... 7 inch)		
Idler spacing	0.5 ... 1.5 m (1.5 ... 5.0 ft)		

¹⁾ Accuracy subject to: on factory approved installations the belt scale system's totalized weight will be within the specified accuracy when compared to a known weighed material test sample. The test rate must be within the specified range of the design capacity and held constant for the duration of the test. The minimum material test sample must be equivalent to a sample obtained at the test flow rate for three revolutions of the belt or at least ten minutes running time, whichever is greater.

²⁾ Contact Siemens (http://www.automation.siemens.com/aspa_app) for consideration of higher values.

³⁾ Review by Siemens required (http://www.automation.siemens.com/aspa_app).

⁴⁾ MSI only.

⁵⁾ MMI only.

Belt Weighing

Belt scales

Milltronics MSI and MMI

Selection and ordering data	Article No.	Article No.
Milltronics MSI Belt scale Accuracy is $\pm 0.5\%$ or better of totalization over 20 ... 100 % operating range with capacity up to 12 000 t/h (13 200 STPH).	7MH7122- 	Milltronics MSI Belt scale Accuracy is $\pm 0.5\%$ or better of totalization over 20 ... 100 % operating range with capacity up to 12 000 t/h (13 200 STPH).
↗ Click on the Article No. for the online configuration in the PIA Life Cycle Portal.		7MH7122-
Scale construction Standard duty, CE, RCM, EAC, KCC Hazardous Duty CSA/FM Class II, Div. 1, Groups E, F, G and Class III, ATEX II 2D, EAC Ex, IECEx, CE, RCM CSA/FM Class I, Div. 1, Groups A, B, C, D, Class II, Div. 1, Groups E, F, G and Class III, ATEX II 1GD IEC Ex 1GD MSHA, ATEX I M1, IEC Ex I M1	1 2 3 4 A A A B A C A D A E A F A G A H A J A K A L A M A N A P A Q A R A S A T A U A V A W B A B B B C B D B E B F B G B H B J B K B L B M B N B P B Q B R	55 inch, 'A' = 64 inch (1 626 mm) 56 inch, 'A' = 65 inch (1 651 mm) 57 inch, 'A' = 66 inch (1 676 mm) 58 inch, 'A' = 67 inch (1 702 mm) 59 inch, 'A' = 68 inch (1 727 mm) 60 inch, 'A' = 69 inch (1 753 mm) 61 inch, 'A' = 70 inch (1 778 mm) 62 inch, 'A' = 71 inch (1 803 mm) 63 inch, 'A' = 72 inch (1 829 mm) 64 inch, 'A' = 73 inch (1 854 mm) 65 inch, 'A' = 74 inch (1 880 mm) 66 inch, 'A' = 75 inch (1 905 mm) 67 inch, 'A' = 76 inch (1 930 mm) 68 inch, 'A' = 77 inch (1 956 mm) 69 inch, 'A' = 78 inch (1 981 mm) 70 inch, 'A' = 79 inch (2 007 mm) 71 inch, 'A' = 80 inch (2 032 mm) 72 inch, 'A' = 81 inch (2 057 mm) 73 inch, 'A' = 82 inch (2 083 mm) 74 inch, 'A' = 83 inch (2 108 mm) 75 inch, 'A' = 84 inch (2 134 mm) 76 inch, 'A' = 85 inch (2 159 mm) 77 inch, 'A' = 86 inch (2 184 mm) 78 inch, 'A' = 87 inch (2 210 mm) 79 inch, 'A' = 88 inch (2 235 mm) 80 inch, 'A' = 89 inch (2 261 mm) 81 inch, 'A' = 90 inch (2 286 mm) 82 inch, 'A' = 91 inch (2 311 mm) 83 inch, 'A' = 92 inch (2 337 mm) 84 inch, 'A' = 93 inch (2 362 mm) 85 inch, 'A' = 94 inch (2 388 mm) 86 inch, 'A' = 95 inch (2 413 mm) 87 inch, 'A' = 96 inch (2 438 mm) 88 inch, 'A' = 97 inch (2 464 mm) 89 inch, 'A' = 98 inch (2 489 mm) 90 inch, 'A' = 99 inch (2 515 mm) 91 inch, 'A' = 100 inch (2 540 mm) 92 inch, 'A' = 101 inch (2 565 mm) 93 inch, 'A' = 102 inch (2 591 mm) 94 inch, 'A' = 103 inch (2 616 mm) 95 inch, 'A' = 104 inch (2 642 mm) 96 inch, 'A' = 105 inch (2 667 mm)

Selection and ordering data**Article No.****Article No.****Milltronics MSI Belt scale**

Accuracy is $\pm 0.5\%$ or better of totalization over 20 ... 100 % operating range with capacity up to 12 000 t/h (13 200 STPH).

Load cell capacity

Not specified¹⁾

25 lb (11.3 kg)

50 lb (22.7 kg)

100 lb (45.4 kg)

250 lb (113.4 kg)

500 lb (226.8 kg)

750 lb (340.2 kg)

1 000 lb (453.6 kg)

1 250 lb (567 kg)²⁾

1 500 lb (680.4 kg)²⁾

2 000 lb (907.2 kg)

Fabrication

C5-M rated polyester painted mild steel

Electro-galvanized mild steel:

18 ... 29 inch (457.2 ... 736.6 mm)

30 ... 41 inch (762 ... 1 041.4 mm)

42 ... 53 inch (1 066.8 ... 1 346.2 mm)

54 ... 65 inch (1 371.6 ... 1 651 mm)

66 ... 77 inch (1 676.4 ... 1 955.8 mm)

78 ... 89 inch (1 981.2 ... 2 260.6 mm)

90 ... 96 inch (2 286 ... 2 438.4 mm)

**Stainless steel 304 (1.4301), bead blast finish
(1 ... 6 µm, 40 ... 240 µin) for belt width scales:**

18 ... 29 inch (457.2 ... 736.6 mm)

30 ... 41 inch (762 ... 1 041.4 mm)

42 ... 53 inch (1 066.8 ... 1 346.2 mm)

54 ... 65 inch (1 371.6 ... 1 651 mm)

66 ... 77 inch (1 676.4 ... 1 955.8 mm)

78 ... 89 inch (1 981.2 ... 2 260.6 mm)

90 ... 96 inch (2 286 ... 2 438.4 mm)

**Stainless steel 316 (1.4401), bead blast finish
(1 ... 6 µm, 40 ... 240 µin) for belt width scales:**

18 ... 29 inch (457.2 ... 736.6 mm)

30 ... 41 inch (762 ... 1 041.4 mm)

42 ... 53 inch (1 066.8 ... 1 346.2 mm)

54 ... 65 inch (1 371.6 ... 1 651 mm)

66 ... 77 inch (1 676.4 ... 1 955.8 mm)

78 ... 89 inch (1 981.2 ... 2 260.6 mm)

90 ... 96 inch (2 286 ... 2 438.4 mm)

C5-M rated polyester painted mild steel (compatible with MWL or flat bar weight calibration system)

Article No.**Milltronics MSI Belt scale**

Accuracy is $\pm 0.5\%$ or better of totalization over 20 ... 100 % operating range with capacity up to 12 000 t/h (13 200 STPH).

Galvanized, for belt width scales:

(compatible with MWL or flat bar weight system)

18 ... 29 inch (457.2 ... 736.6 mm)

30 ... 41 inch (762 ... 1 041.4 mm)

42 ... 53 inch (1 066.8 ... 1 346.2 mm)

54 ... 65 inch (1 371.6 ... 1 651 mm)

66 ... 77 inch (1 676.4 ... 1 955.8 mm)

78 ... 89 inch (1 981.2 ... 2 260.6 mm)

90 ... 96 inch (2 286 ... 2 438.4 mm)

System specification

Standard MSI and MMI

NTEP Certified MM⁽³⁾⁽⁴⁾⁽⁵⁾

OIML/MID Certified⁽⁴⁾⁽⁵⁾

MSI for MMI-3 $\pm 0.125\%$ accuracy⁽⁶⁾

Further designs

Please add "-Z" to article no. and specify order code(s).

Stainless steel tag [69 x 38 mm (2.7 x 1.5 inch)], Measuring-point number / identification (max 27 characters), specify in plain text.

Application Eng. reference number (max. 15 characters), specify in plain text.

Manufacturer's test certificate:
According to EN 10204-2.2

Factory calibration certificate

OIML/MID approval additional nameplate (submit application data with order)⁽⁵⁾

NTEP approval additional nameplate (submit application data with order)⁽⁵⁾

Extended cable length (For spare part pricing and part number consult factory)
Load cell with 15 m (49.2 ft) cable length [standard is 3 m (9.8 ft)]

High temp load cell (For spare part pricing and part number consult factory)
Load cell suitable for high temp up to 175 °C (347 °F) [standard is 75 °C (167 °F)]⁽⁷⁾

Load cell with 316 (1.4401) cover (For spare part pricing and part number consult factory)
Load cell cover is constructed from 316 (1.4401) -stainless steel [standard is 304 (1.4301)]

FDA compliant version
Conduit and fittings designed for food applications -conforming to FDA/USDA standards

Operating instructions**MSI Manuals**

- English

Note: the operating instructions should be ordered as a separate item on the order.

All literature is available to download for free, in a range of languages, at
<http://www.siemens.com/weighing/documentation>

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Belt Weighing

Belt scales

Milltronics MSI and MMI

Selection and ordering data	Article No.	Article No.
<u>Spare parts</u>		
Flat bar/MWL retrofit kit	7MH7723-1FW	PBD-25851-A8T50
Conduit replacement kit	7MH7723-1NA	PBD-25851-A0T50
FDA conduit replacement kit	7MH7723-1QL	PBD-25851-A1T50
MWL calibration weight support brackets -galvanized	7MH7723-1JT	PBD-25851-A2T50
Ground cable	7MH3701-1AA1	
<u>Stainless steel load cells</u>		
<u>Standard load cell with 304 (1.4301) stainless steel cover</u>		
25 lb (11.3 kg)	A5E35801457	PBD-25851-A8T50
50 lb (22.7 kg)	PBD-23900246	PBD-25851-A0T50
100 lb (45.4 kg)	PBD-23900247	PBD-25851-A1T50
250 lb (113.4 kg)	PBD-23900248	PBD-25851-A2T50
500 lb (226.8 kg)	PBD-23900249	PBD-25851-A3T50
750 lb (340.2 kg)	PBD-23900250	PBD-25851-A4T50
1 000 lb (453.6 kg)	PBD-23900251	PBD-25851-A5T50
1 250 lb (567 kg)	A5E02235671	PBD-25851-A6T50
1 500 lb (680.4 kg)	A5E02239623	PBD-25851-A7T50
2 000 lb (907.2 kg)	A5E35801460	PBD-25851-A9T50
25 lb (11.3 kg), NTEP, OIML/MID	A5E35801462	
50 lb (22.7 kg), NTEP, OIML/MID	A5E03324790	
100 lb (45.4 kg), NTEP, OIML/MID	PBD-23900261	
250 lb (113.4 kg), NTEP, OIML/MID	PBD-23900262	
500 lb (226.8 kg), NTEP, OIML/MID	PBD-23900263	
750 lb (340.2 kg), NTEP, OIML/MID	PBD-23900264	
1 000 lb (453.6 kg), NTEP, OIML/MID	PBD-23900265	
1 250 lb (567 kg), NTEP, OIML/MID	A5E02235672	
1 500 lb (680.4 kg), NTEP, OIML/MID	A5E02239620	
2 000 lb (907.2 kg), NTEP, OIML/MID	A5E35801463	
<u>Load cell with 316 (1.4401) stainless steel cover</u>		
25 lb (11.3 kg)	PBD-25851-A8H53	PBD-25851-A8A08
50 lb (22.7 kg)	PBD-25851-A0H53	PBD-25851-A0A08
100 lb (45.4 kg)	PBD-25851-A1H53	PBD-25851-A1A08
250 lb (113.4 kg)	PBD-25851-A2H53	PBD-25851-A2A08
500 lb (226.8 kg)	PBD-25851-A3H53	PBD-25851-A3A08
750 lb (340.2 kg)	PBD-25851-A4H53	PBD-25851-A4A08
1 000 lb (453.6 kg)	PBD-25851-A5H53	PBD-25851-A5A08
1 250 lb (567 kg)	PBD-25851-A6H53	PBD-25851-A6A08
1 500 lb (680.4 kg)	PBD-25851-A7H53	PBD-25851-A7A08
2 000 lb (907.2 kg)	PBD-25851-A9H53	PBD-25851-A9A08
100 lb (45.4 kg), NTEP, OIML/MID	PBD-25851-B1H53	PBD-25851-B1A08
250 lb (113.4 kg), NTEP, OIML/MID	PBD-25851-B2H53	PBD-25851-B2A08
500 lb (226.8 kg), NTEP, OIML/MID	PBD-25851-B3H53	PBD-25851-B3A08
750 lb (340.2 kg), NTEP, OIML/MID	PBD-25851-B4H53	PBD-25851-B4A08
1 000 lb (453.6 kg), NTEP, OIML/MID	PBD-25851-B5H53	PBD-25851-B5A08

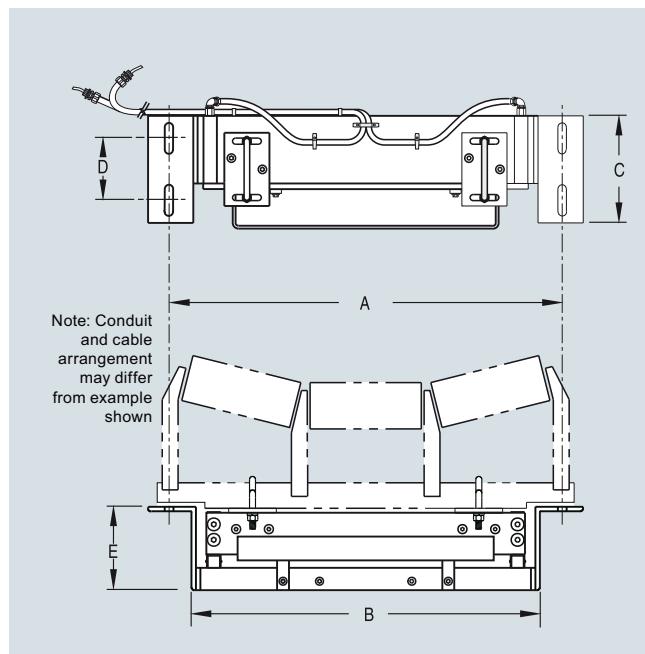
Selection and ordering data	Article No.	Article No.
<u>Load cell with 15 m (49.2 ft) cable length and 316 (1.4401) stainless steel cover</u>		
25 lb (11.3 kg)	PBD-25851-A8AH	7MH7723-1BT
50 lb (22.7 kg)	PBD-25851-A0AH	7MH7723-1DF
100 lb (45.4 kg)	PBD-25851-A1AH	
250 lb (113.4 kg)	PBD-25851-A2AH	
500 lb (226.8 kg)	PBD-25851-A3AH	7MH7724-1AB
750 lb (340.2 kg)	PBD-25851-A4AH	7MH7724-1AA
1 000 lb (453.6 kg)	PBD-25851-A5AH	A5E32423812
1 250 lb (567 kg)	PBD-25851-A6AH	
1 500 lb (680.4 kg)	PBD-25851-A7AH	
2 000 lb (907.2 kg)	PBD-25851-A9AH	
100 lb (45.4 kg), NTEP, OIML/MID	PBD-25851-B1AH	
250 lb (113.4 kg), NTEP, OIML/MID	PBD-25851-B2AH	A5E39271483
500 lb (226.8 kg), NTEP, OIML/MID	PBD-25851-B3AH	A5E39271487
750 lb (340.2 kg), NTEP, OIML/MID	PBD-25851-B4AH	A5E39271485
1 000 lb (453.6 kg), NTEP, OIML/MID	PBD-25851-B5AH	A5E39271489
<u>Load cell, high temperature up to 175 °C (347 °F) with 15 m (49.2 ft) cable length</u>		
25 lb (11.3 kg)	PBD-25851-A8TA	1) Only for quotation purposes, not a valid ordering option.
50 lb (22.7 kg)	PBD-25851-A0TA	2) Available with Fabrication options 11 ... 18 and 41 ... 48 only, and with -System specification option A only.
100 lb (45.4 kg)	PBD-25851-A1TA	3) Two MSI are required to make the NTEP approved MMI.
250 lb (113.4 kg)	PBD-25851-A2TA	4) Approval available with load cell options 2 ... 6 only and applicable BW500.
500 lb (226.8 kg)	PBD-25851-A3TA	5) Complete specification data sheet and submit with order "legal for trade" version (see Application Questionnaire at http://www.siemens.com/weighing/application-questionnaires)
750 lb (340.2 kg)	PBD-25851-A4TA	6) Includes metrological approved load cells.
1 000 lb (453.6 kg)	PBD-25851-A5TA	7) Not available with construction option 2, or system specification options B, C, D.
1 250 lb (567 kg)	PBD-25851-A6TA	8) Barrier contains connections for MMI-2 and speed sensor.
1 500 lb (680.4 kg)	PBD-25851-A7TA	
2 000 lb (907.2 kg)	PBD-25851-A9TA	
<u>Load cell, high temperature up to 175 °C (347 °F) with 15 m (49.2 ft) cable length and 316 (1.4401) stainless steel cover</u>		
25 lb (11.3 kg)	PBD-25851-A8AHT	
50 lb (22.7 kg)	PBD-25851-A0AHT	
100 lb (45.4 kg)	PBD-25851-A1AHT	
250 lb (113.4 kg)	PBD-25851-A2AHT	
500 lb (226.8 kg)	PBD-25851-A3AHT	
750 lb (340.2 kg)	PBD-25851-A4AHT	
1 000 lb (453.6 kg)	PBD-25851-A5AHT	
1 250 lb (567 kg)	PBD-25851-A6AHT	
1 500 lb (680.4 kg)	PBD-25851-A7AHT	
2 000 lb (907.2 kg)	PBD-25851-A9AHT	
Spare load cell hardware kit	A5E44809390	

Belt Weighing

Belt scales

Milltronics MSI and MMI

Dimensional drawings



MSI dimensions

Conveyor belt width	Mounting scale width A	Minimum drop-in width B	C	D	E	Weight (approx.)
18 inch (457 mm)	27 inch (686 mm)	23.25 inch (591 mm)	9.5 inch (241 mm)	5.5 inch (140 mm)	7 inch (178 mm)	82 lb (37 kg)
20 inch (508 mm)	29 inch (737 mm)	25.25 inch (641 mm)	9.5 inch (241 mm)	5.5 inch (140 mm)	7 inch (178 mm)	85 lb (39 kg)
24 inch (610 mm)	33 inch (838 mm)	29.25 inch (743 mm)	9.5 inch (241 mm)	5.5 inch (140 mm)	7 inch (178 mm)	90 lb (41 kg)
30 inch (762 mm)	39 inch (991 mm)	35.25 inch (895 mm)	9.5 inch (241 mm)	5.5 inch (140 mm)	7 inch (178 mm)	99 lb (45 kg)
36 inch (914 mm)	45 inch (1 143 mm)	41.25 inch (1 048 mm)	9.5 inch (241 mm)	5.5 inch (140 mm)	7 inch (178 mm)	107 lb (49 kg)
42 inch (1 067 mm)	51 inch (1 295 mm)	47.25 inch (1 200 mm)	9.5 inch (241 mm)	5.5 inch (140 mm)	7 inch (178 mm)	116 lb (53 kg)
48 inch (1 219 mm)	57 inch (1 448 mm)	53.25 inch (1 353 mm)	9.5 inch (241 mm)	5.5 inch (140 mm)	7 inch (178 mm)	125 lb (57 kg)
54 inch (1 372 mm)	63 inch (1 600 mm)	59.25 inch (1 505 mm)	12 inch (305 mm)	8 inch (203 mm)	7 inch (178 mm)	175 lb (79 kg)
60 inch (1 524 mm)	69 inch (1 753 mm)	65.25 inch (1 657 mm)	12 inch (305 mm)	8 inch (203 mm)	7 inch (178 mm)	193 lb (88 kg)
66 inch (1 676 mm)	75 inch (1 905 mm)	71.25 inch (1 810 mm)	12 inch (305 mm)	8 inch (203 mm)	8 inch (203 mm)	229 lb (104 kg)
72 inch (1 829 mm)	81 inch (2 057 mm)	77.25 inch (1 962 mm)	12 inch (305 mm)	8 inch (203 mm)	8 inch (203 mm)	247 lb (112 kg)

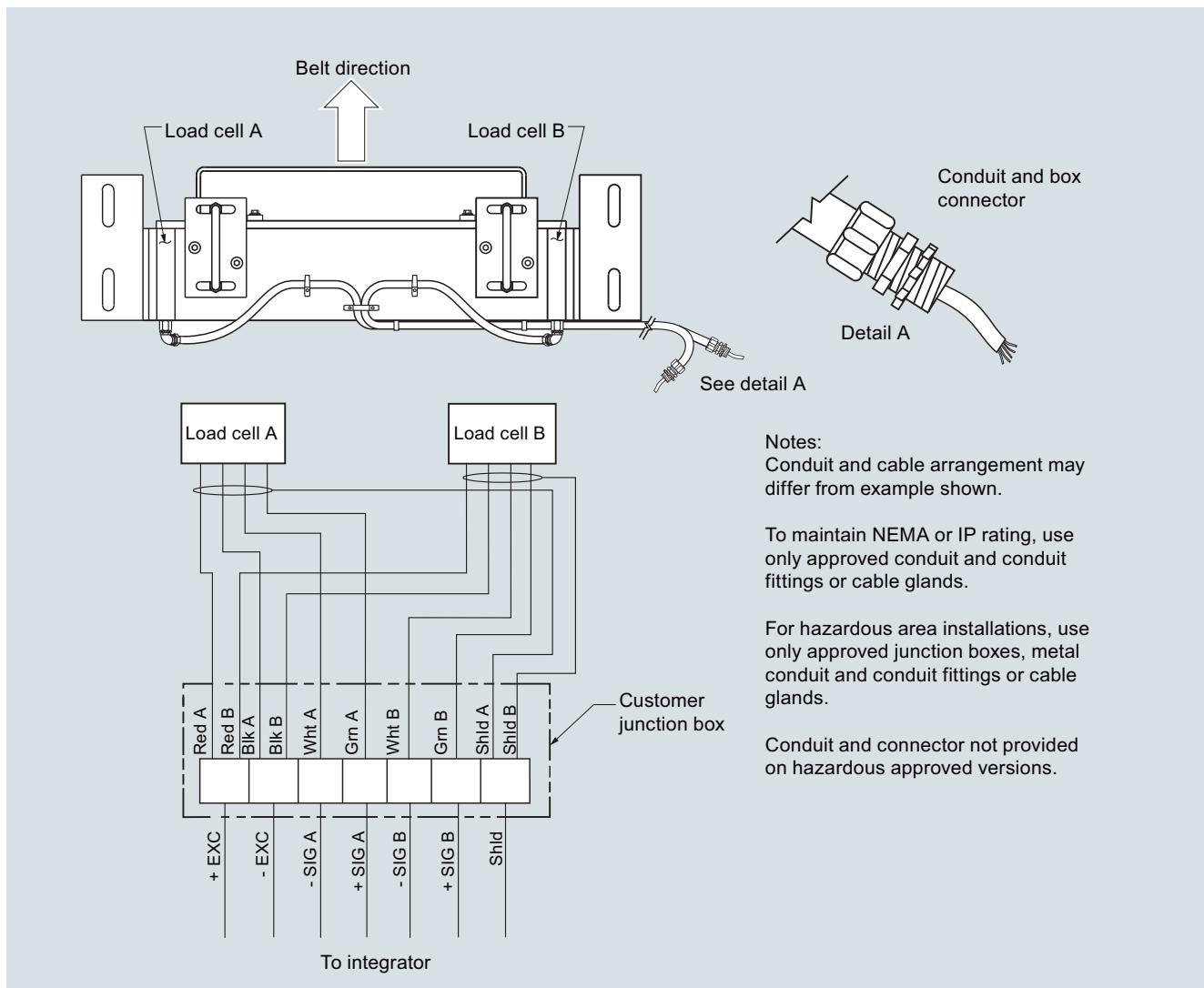
Other widths available - check configuration information.

Sizes are from 18 inch (457 mm) to 96 inch (2 438 mm) in 1 inch (25.4 mm) increments.

All sizes are nominal.

Note: dimension B must be approx. 3/8 inch or 10 mm less than Y dimension of the conveyor
(see Application Questionnaire at <http://www.siemens.com/weighing/application-questionnaires>).

Circuit diagrams



MSI/MMI connections

4

More information

NTEP/Measurement Canada/OIML & MID Specification Data

Please complete and submit the relevant details Value listed below when ordering NTEP, Measurement Canada, or OIML & MID approval options

NTEP

Maximum rated capacity (TPH)
Minimum rated capacity (TPH)
Belt speed (FPM)
Scale division (tons)
Maximum loading (lb/ft)

Measurement Canada

Rate
Speed (min/max m/s, FPM)
Test load (kg/m, lb/ft)

Please complete and submit the relevant details Value listed below when ordering NTEP, Measurement Canada, or OIML & MID approval options

OIML & MID

Totalization scale interval (tonnes)
Belt speed max/min (m/s)
Maximum flow rate (MTPH)
Minimum flow rate (MTPH)
Minimum totalized load (tonnes)
Product to be weighed
Maximum capacity (tonnes)
Weigh length (m)
Ratio between minimum net load and maximum capacity
Zero testing should have a duration of at least (____) revolutions