



Effortless continuous weighing

Durable slider-bed belt scale for process and load-out control



MILLTRONICS WD600

Answers for industry.

SIEMENS



Accurate, reliable continuous weighing

Milltronics WD600 is a light- to medium-duty slider bed belt scale used for process and load-out control in manufacturing. Suited for food, chemical and tobacco industries, the corrosion resistant WD600 components are durable and virtually maintenance-free. Proven in hundreds of applications and in harsh environments, the WD600 is the optimal choice for reliable and cost effective weighing accuracy.

- Unique weighing mechanism design with low friction and long weigh area for increased retention time, resulting in higher accuracy and reliability
- Ultra-sensitive parallelogram style load cells provide precision weighing accuracy
- Maintenance-free construction
- Quick installation reduces costly downtime
- Drop-in weighbridge allows quick and easy washdown and maintenance
- Load cells available in nickel-plated alloy steel and stainless steel
- Milltronics BW100 and BW500 microprocessor-based integrators complete your belt scale system
- SIWAREX FTC weighing module available for PLC-based system

Mode of operation	
Measuring principle	Heavy duty strain gauge load cells measuring load on a belt conveyor
Typical applications	Monitor feed rates and blending in cereals, seeds, minerals, plastic pellets, wet foods, or powder additives into a process
Accuracy	±0.5% to 1% totalization over 4 to 1 operating range, application dependant
Max. material temp.	65 °C (150 °F)
Construction	Stainless steel with acetal slider pads
Capacity	Up to 100 t/h
Belt width	300 mm, 450 mm, 600mm, 750 mm, 900 mm, 1200 mm (12", 18", 24", 30", 36", 48")
Load cell	
Construction	• Nickel-plated alloy steel • Stainless steel
Excitation	10 V DC nominal, 15 V DC max.
Output	2 mV/V
Non-repeatability	0.01% of rated output
Non-linearity	0.02% of rated output
Capacity	• Nickel-plated range: 10, 15, 20, 30, 50 kg • Stainless steel ranges: 6, 12, 30 kg
Overload	150% of rated capacity
Temperature	• -40 to 65 °C (-40 to 150 °F) operating range • -10 to 40 °C (15 to 105 °F) compensated
Communications	
Interconnection wiring to Siemens Integrator	• <150 m (500 ft.), 18 AWG (0.75 mm ²), 6 conductor shielded cable • >150 m (500 ft.) to 300 m (1000 ft.), 18 to 22 AWG (0.75 to 0.34 mm ²), 8 conductor shielded cable
Interface output	• Milltronics BW100: flow rate, total weight, belt load, belt speed • Milltronics BW500: flow rate, total weight, belt load, belt speed, batch control, PID loop control • SIWAREX FTC: flow rate, total weight, belt load, belt speed, batch control, PID loop control
Industrial communications	• Modbus® included with Milltronics BW500 (RS232, RS485 ports) • Profibus, Allen-Bradley® RIO, DeviceNet™ via optional SmartLinX® • SIWAREX FTC: SIMATIC S7, PCS 7
Approvals	
	CE, C-TICK, meets FDA/USA requirements for food processing

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