

# Specifications

## Belt Scale Systems

Equipment Warranty	For a period of two (2) years from the date of shipment we guarantee our equipment to be free of defects in materials and workmanship. At ConveyWeigh's discretion we will repair or replace any defective components free of charge including parts and labor at our facility. This does NOT cover lightning damage or overloading the load cells.
Minimum Net Load at Rated Capacity	15% of load cell capacity
Maximum Gross Load at Rated Capacity	80% of load cell capacity
Available Load Cell Sizes	45kg (100lb) 114kg (250lb) 227kg (500lb) 340kg (750lb), 454kg (1,000lb), 907kg (2,000lb)
Minimum Belt Width	254mm (10in) *custom widths available
Maximum Belt Width	2,743mm (108in)

## Load Cell

Load Cell Type (Quantity)	Single-Ended Shear Beam (2 each per Weigh Bridge)
Load Cell Output (Rated Output)	3.0mV/V $\pm$ 0.1%
Excitation	10VDC or VAC
Load Cell Rating	NTEP Approved, Meets OIML and HB44 III Standards
Temperature Range	-40°C to +80°C (-104°F to +176°F) safe; -10°C to +40°C (-50°F to +104°F) compensated
Overload	150% of rated capacity
Input Impedance	385 ohms $\pm$ 10
Output Impedance	350 ohms $\pm$ 4
Environmental Protection	Hermetically-sealed; IP6
Load Cell Construction	Stainless Steel
Cable	6 Conductor, Shielded, 22 AWG

## Positive Contact Speed Sensor

Type	Digital, Proximity Type
Mounting	Bolts to Weigh Bridge
Construction	Laser Cut, Heavy Steel Arm, Polyurathane Coated Steel Wheel, Greasable Bearings
Mounting Hardware	Supplied with Bronze Bushing Pivot, Stainless Steel Pivot Pin
Shipping Weight	12.70 kg (28 lb)

## Belt-Pro Electronic Integrator - Field Mount Enclosure

Size	203 mm (8 in) high x 152 mm (6 in) wide x 89mm (3.5 in) deep
Material	Galvanized Steel
Shipping Weight	3 kg (6 lb)
Protection	IP 65, NEMA 4X

## Belt-Pro Electronic Integrator - Environmental Specifications

Operating Temperature	-10°C to +65°C (+14°F to +140°F)
Storage Temperature	-30°C to +80°C (-22°F to +176°F)
Humidity	20 - 70% non-condensing

## Belt-Pro Electronic Integrator - Power Requirements

Voltage	100 - 240 VAC at 50-60 Hz; 10W
Wire	14AWG recommended for power connection
Protection	Internal fuse, 1A TR5

## Belt-Pro Electronic Integrator - Inputs and Outputs

Analog Inputs	Mv signal from load cell
Analog Outputs (Requires Optional Card)	Quantity: 1 Type: 4-20mA, 0 - 10V Maximum Load 500 ohm Resolution: 12 bit; 4,096 divisions Linearity 0.1% Insulation: Galvanic; 1,500 Vrms
Remote Tons Counter	Quantity: 1 Type: Relay; Dry Contact; N.O. Insulation: Galvanic; 10,000 M-ohm Max Voltage: 125VAC or 110 VDC Max Current: 0.6A
Communication Ports	RS232: 1 each, Full Duplex RS485: 1 each, Half Duplex



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