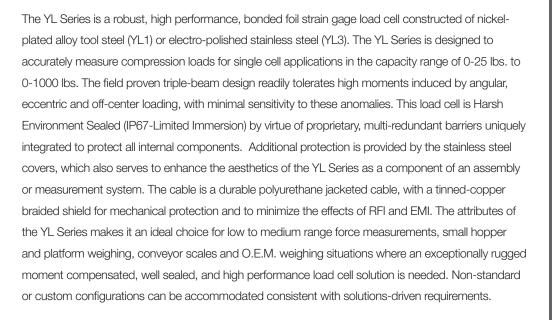


Single Point Load Cell

YLSeries

The YL Series is a robust, high performance, bonded foil strain gage load cell. It is designed to accurately measure compression loads for single cell applications in capacity ranges of 0-25 lbs. to 0-1000 lbs.







For more information call 1-888-545-8988

APPLICATIONS

- Hopper & Netweighing
- Platform and Belt Conveyor Scales
- Checkweighing
- High Moment/Off-Center Loading
- OEM and VAR Solutions

FEATURES

- 25 to 1000 lbs. Capacities
- Low Profile/Compact Size
- Extremely Durable
- 0.03% Accuracy Class
- High Temperature Versions
- Steel or Stainless Steel Element
- IP67 Environmental Sealing
- Two Year Warranty

YL Series Specifications

Innovative Measurement Solutions



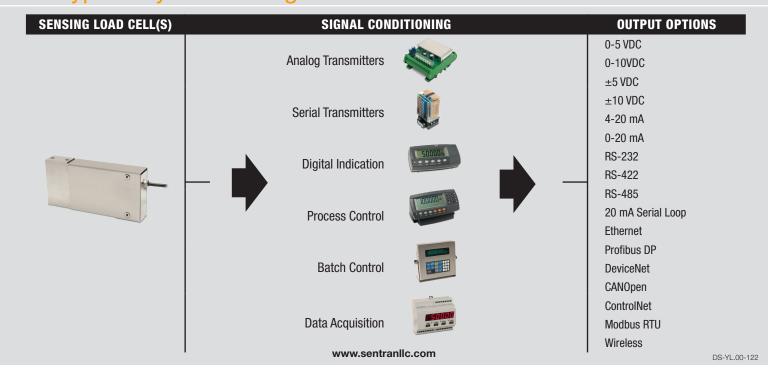
PERFORMANCE				
Rated capacities (lbs.)	25, 50, 100, 200, 400, 500, 1,000			
Rated Output (FSO)	2 mV/V			
Output Tolerance	±25/-10 % R.0			
Combined Error Band	≤ 0.03 % FS0			
Non-Linearity	≤ 0.03 % FS0			
Hysteresis	≤ 0.02 % FS0			
Non-Repeatability	≤ 0.01 % FS0			
Zero Balance	± 1 % FS0			
Creep (30 Minutes)	≤ 0.03 % of load			
Zero Return (30 Minutes)	0.01 % of load			
Moment Sensitivity	0.005 % FS0/Inch			
1,000 lbs	0.007 % FS0/Inch			
Maximum Moment	See Dimensions Page			
Ultimate Moment	200 % of Maximum Moment			

MECHANICAL				
Material	Stainless steel			
Finish	Natural			
Safe overload	Compression 150 % FS0 Side Load 30% FS0			
Ultimate overload	Compression 300% FS0 Side Load: 100% FS0			
Deflection	See Dimensions Table			
Weight	See Dimensions Table			
Mounting Bolt Torque	Torque Table			

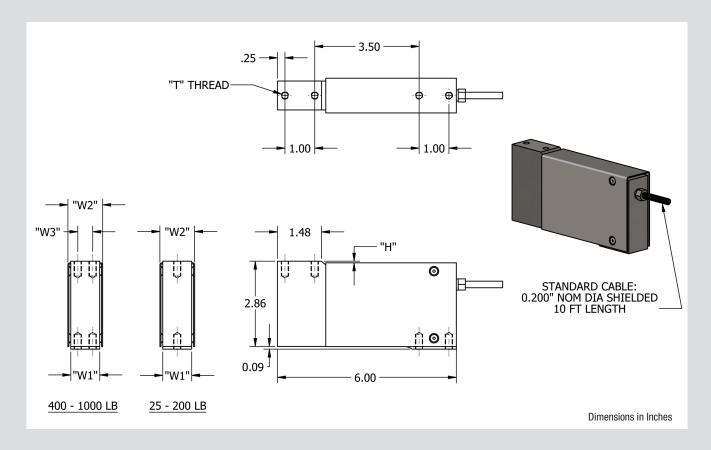
ELECTRICAL					
Input Impedance	$400 \pm 35 \text{ ohms}$				
Output Impedance	352 ± 3 ohms				
Insulation Resistance	>5000 Megohms @ 50VDC				
Excitation Voltage	10 V AC/DC (15 V maximum)				
Cable Color Code	+ Excitation (red)- Excitation (black)+ Signal (green)- Signal (white)Shield (natural)				
Cable Type	4-conductor, 22 AWG, PUR jacket, Tinned Copper Braid, Diameter: 0.220"				
Cable Length	See Dimensions Table				
Cable Termination	Finished Conductors				
Cable Seal	Epoxy; Conformal				

ENVIRONMENTAL					
Temperature, Operating	0 to +150 °F (-18 to +66°C)				
Temperature, Compensated	14 to +104 °F (-10 to +40°C)				
Temperature Effects	Zero < 0.015% FS0/°F < 0.0026% FS0/°C				
Temperature Effects	Output < 0.0008% of Rdg./°F < 0.0014% Rdg./°C				
Temperature, Storage	-40 to +170 °F (-40 to +77°C)				
Sealing	IP67, Multi-redundant; Limited Immersion Tolerance				

YL Typical System Configuration

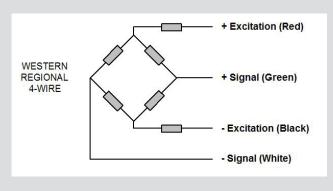






Capacity (LBS)	Maximum Moment	Н	W1	W2	W3	т	Deflect	Weight
	(Inches X Capacity)					DIMENSIONS (INCHES)		
25	7	0.04	0.97	1.17	-	1/4-28 UNF-2B X 0.5 DP (4 places)	0.016"	4.0 LBS
50	7	0.04	0.97	1.17	-	1/4-28 UNF-2B X 0.5 DP (4 places)	0.013"	4.0 LBS
100	5	0.04	0.97	1.17	-	1/4-28 UNF-2B X 0.5 DP (4 places)	0.013"	4.0 LBS
200	5	0.04	0.97	1.17	-	1/4-28 UNF-2B X 0.5 DP (4 places)	0.015"	4.0 LBS
400	7	0.04	0.97	1.17	0.50	1/4-28 UNF-2B X 0.5 DP (4 places)	0.023"	5.0 LBS
500	7	0.04	0.97	1.17	0.50	1/4-28 UNF-2B X 0.5 DP (4 places)	0.023"	5.0 LBS
1,000	6	0.18	1.50	1.75	1.00	5/16-24 UNF-2B X 0.7 DP (8 places)	0.016"	5.5 LBS

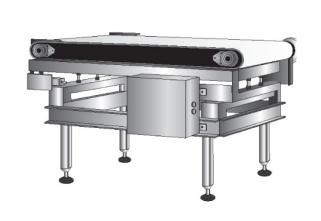
YL Wiring Diagram



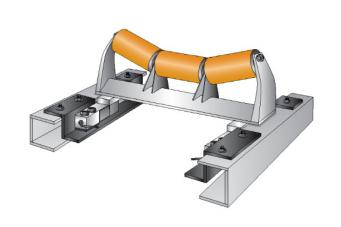
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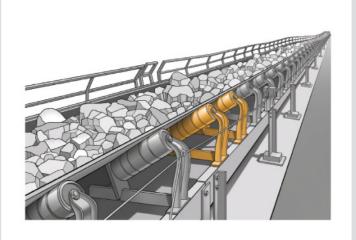




Conveyor Belt Scale



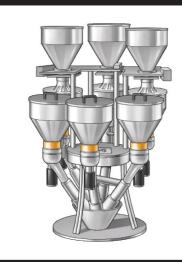
Volume and Rate Control



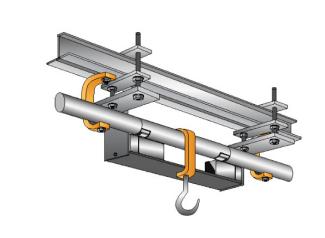
Automated Bagging



Gravimetric Multi Component Feeder



Monorail Scale



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