

Single Point Load Cell

YG6-BSeries

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For more information call 1-888-545-8988

APPLICATIONS

- Compression Measurements
- Platform and Belt Conveyor Scales
- Hopper and Net Weight Weighing
- High Moment Off-Center Loads
- OEM and VAR Solutions

FEATURES

- 50 KG to 500 KG Capacities
- 0.02% Accuracy Class
- 2 mV/V Full Scale Output
- 10 FT (6-conductor) PVC Cable
- Standard Profile 2.97" Height
- IP67 Environmental Sealing
- Anodized Aluminum Construction
- Dual Guided Beam Design
- Universal Tension and Compression
- High Capacity Moment Compensated

YG6-B Series Specifications

Innovative Measurement Solutions (5)



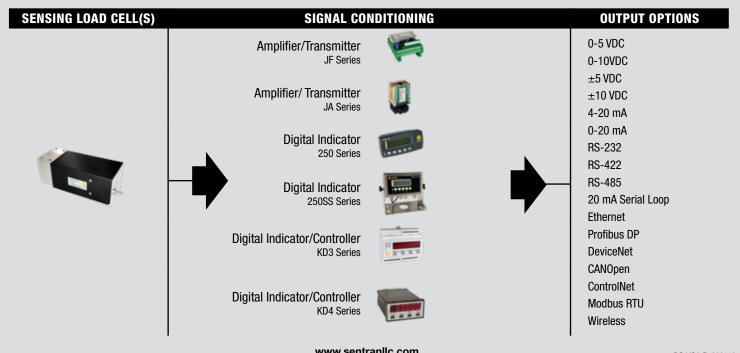
PERFORMANCE						
Rated Capacities (KG)	50, 75, 100, 150, 200, 300, 500					
Rated Output (FSO)	2 mV/V					
Output Tolerance	±10 % R.0					
Combined Error Band	≤ 0.02 % FS0					
Non-Linearity	≤ 0.02 % FS0					
Hysteresis	≤ 0.02 % FS0					
Non-Repeatability	≤ 0.01 % FS0					
Zero Balance	≤ 5 % FS0					
Creep (30 Minutes)	≤ 0.017 % of load					
Moment Sensitivity	≤ 0.018 % Applied Load Per Inch					
Maximum Moment	See Dimensions Page					
Ultimate Moment	200 % of Maximum Moment					

MECHANICAL					
Load Cell Material	Aluminum				
Load Cell Finish	Anodized				
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				

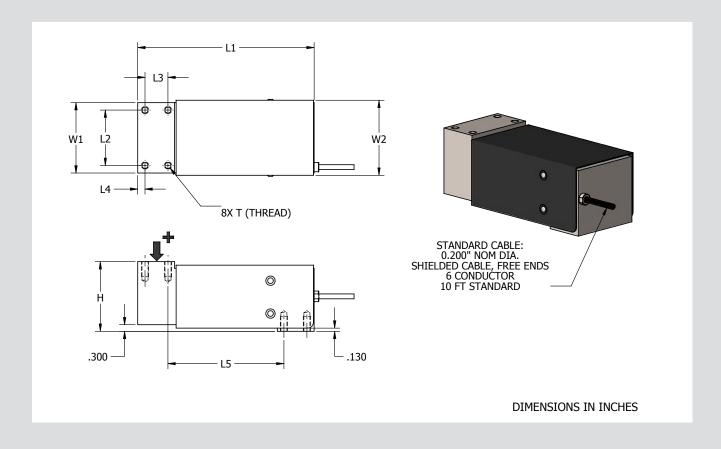
ELECTRICAL						
Input Impedance	400 ± 20 ohms					
Output Impedance	$350 \pm 3 \text{ ohms}$					
Insulation Resistance	>5000 Megohms @ 50VDC					
Excitation Voltage	10 V AC/DC (15 V maximum)					
Cable Color Code	 + Excitation (red) - Excitation (black) + Signal (green) - Signal (white) + Sense (blue) - Sense (brown) Shield (natural) 					
Cable Type	6-conductor, 22 AWG, PVC jacket, Tinned Copper Braided Shield, Diameter: 0.200"					
Cable Length	See Dimensions Table					
Cable Termination	Finished Conductors					
Cable Seal	Epoxy Conformal Seal					

ENVIRONMENTAL						
Temperature, Operating	0 to +150 °F (-18 to +66°C)					
Temperature, Compensated	14 to +104 °F (-10 to +40°C)					
Temperature, Storage	-40 to +170 °F (-40 to +77°C)					
Temperature Effects	Zero < 0.0008% FS0/°F < 0.0014% FS0/°C					
Temperature Effects	Output < 0.0006% of Rdg./°F < 0.0011% Rdg./°C					
Sealing	IP65; Multi-redundant; Low Pressure Resistant					

YG6-B Typical System Configuration

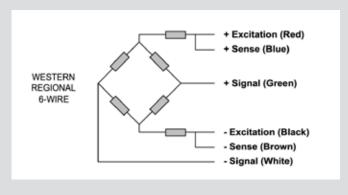




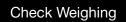


Capacity (KG)	Н	L1	L2	L3	L4	L5	W1	W2	T(Thread)	Maximum Moment	Deflect	Weight
50, 75, 100, 150, 200	2.97	7.52	2.36	0.98	0.31	4.92	3.00	3.20	5/16-18 UNC x 0.63 DP	10 Inch x Capacity	0.020	5.0 LB
300, 500	2.97	7.52	2.36	0.98	0.31	4.92	3.00	3.20	5/16-18 UNC x 0.63 DP	8 Inch x Capacity	0.020	5.0 LB

YG6-B Wiring Diagram

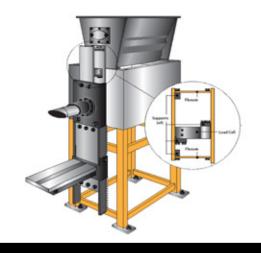




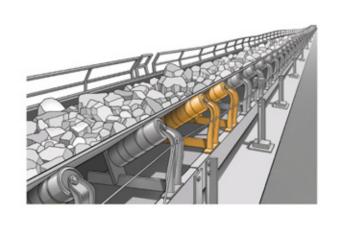




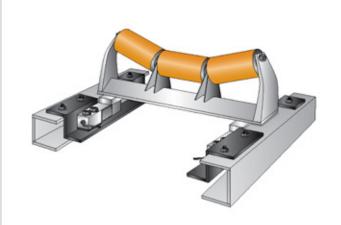
Automated Bagging



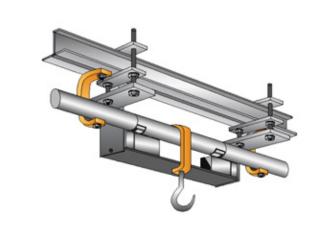
Volume and Rate Control



Belt Conveyor Scale



Monorail Scale



Platform Weighing - Front View



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