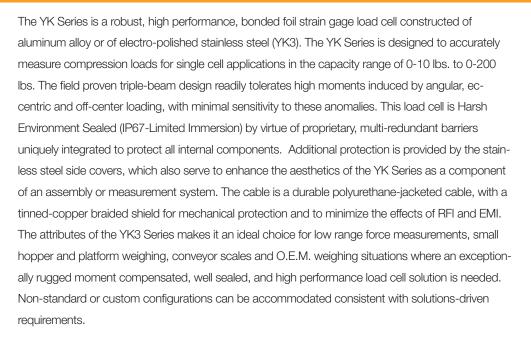


Single Point Load Cell

YKSeries

The YK 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 0-10 lbs. to 0-200 lbs.







For more information call 1-888-545-8988

APPLICATIONS

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

FEATURES

- 10 to 200 lbs. Capacities
- Low Profile/Compact Size
- High Temperature Versions
- 0.03% Accuracy Class
- Aluminum or Stainless Steel
- IP67 Environmental Sealing
- Two Year Warranty

YK Series Specifications

Innovative Measurement Solutions



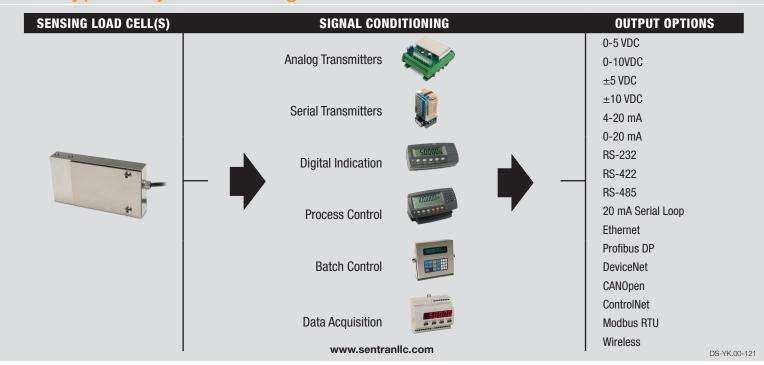
PERFORMANCE	
Rated capacities (lbs.)	10, 15, 25, 50, 100 & 200
Rated Output (FSO)	2 mV/V
Output Tolerance	±25/-10 % R.0
Combined Error Band	≤ 0.03 % FS0
Non-Linearity	≤ 0.03 % FS0
Hysteresis	≤ 0.02 % FS0
Non-Repeatability	≤ 0.01 % FS0
Zero Balance	± 1 % FS0
Creep (30 Minutes)	\leq 0.03 % of load
Zero Return (30 Minutes)	0.01 % of load
Moment Sensitivity	0.008 % FS0/Inch
50 to 200 lbs	0.020 % 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		

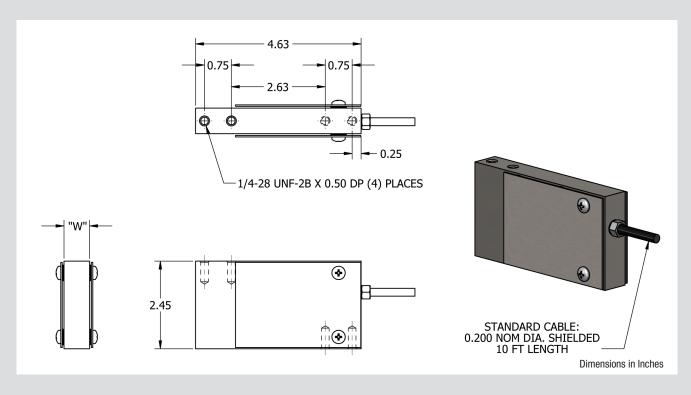
ELECTRICAL			
Input Impedance	400 ± 35 ohms		
Output Impedance	352 ± 3 ohms		
Insulation Resistance	>5000 Megohms @ 50VDC		
Excitation Voltage	10 V AC/DC (15 V maximum)		
Cable Color Code	+ Excitation (red)- Excitation (black)+ Signal (green)- Signal (white)Shield (natural)		
Cable Type	4-conductor, 22 AWG, PUR jacket, Foil Shield, Diameter: 0.190"		
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

YK Typical System Configuration

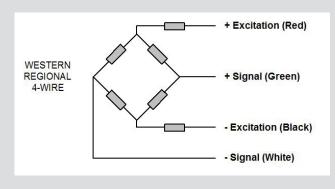






Capacity (LBS)	W	Maximum Moment	Deflect	Weight
		(Inches X Capacity)		
10	0.46"	5	0.020"	1.0 LBS
15	0.46"	5	0.020"	1.0 LBS
25	0.46"	5	0.020"	1.0 LBS
50	0.72"	4	0.020"	1.5 LBS
100	0.72"	4	0.020"	1.5 LBS
200	0.72"	3	0.020"	1.5 LBS

YK Wiring Diagram





Check Weighing



Automated Bottle Filling



Precious Gas Scale



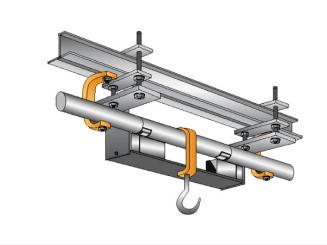
Loss-In-Weight



Gravimetric Multi Component Feeder



Monorail Scale



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