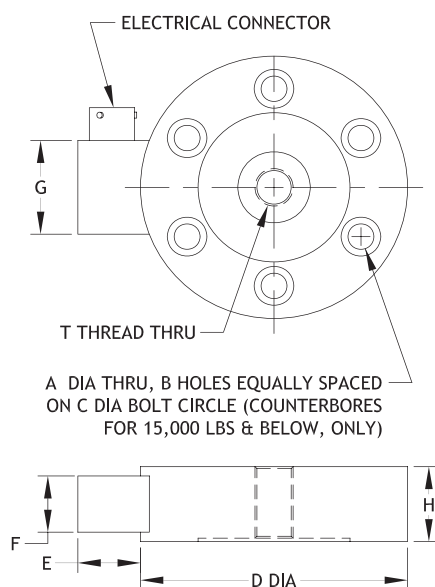


Universal Pancake Load Cell, mV/V Output

Model XLP58



WIRING CODE/Connector:
 PIN A & B +Input
 PIN C & D -Input
 PIN E -Output
 PIN F +Output



max.
500,000
lbs



Measuring ranges

- 5 to 500,000 lbs



Features

- High Accuracy
- Tension/Compression
- mV/V Output
- Extremely Rugged Design
- Welded Stainless Construction
- Wide Range of Capacities



Options

- Dual Bridge
- Integral Cable
- Extended Compensated Temperature Range



Drawing

- 99-2590-0000 (5 to 5,000 lbs)
- 99-2593-0000 (7500 to 500,000 lbs)

PERFORMANCE SPECIFICATIONS (FSO is Full Scale Output)	
EXCITATION	10 VDC, 15 VDC max
OUTPUT	
25 lbs & below	2 mV/V $\pm$ 0.25% FSO
50 lbs & above	3 mV/V $\pm$ 0.25% FSO
BRIDGE RESISTANCE	350 Ohms
LINEARITY	
25 lbs & below	$\pm$ 0.20% FSO
50 lbs & above	$\pm$ 0.10% FSO
HYSTERESIS	
25 lbs & below	$\pm$ 0.10% FSO
50 lbs & above	$\pm$ 0.08% FSO
REPEATABILITY	
25 lbs & below	$\pm$ 0.10% FSO
50 lbs & above	$\pm$ 0.03% FSO
ZERO BALANCE	$\pm$ 1.0% FSO
OPERATING TEMP RANGE	-65 to +250°F (-54 to +121°C)
COMPENSATED TEMP RANGE	+60 to +160°F (+15 to +71°C)
THERMAL EFFECTS	
on Zero	$\pm$ 0.002% FSO/°F
on Span	$\pm$ 0.002% Reading/°F
SAFE OVERLOAD	150% of Capacity
ULTIMATE OVERLOAD	300% of Capacity
MATERIAL	
200,000 lbs & below	17-4 PH Stainless steel
above 200,000 lbs	4340 Alloy steel
ELECTRICAL CONNECTOR	
5,000 lbs & below	PTIH-10-6P or equal
above 5,000 lbs	MS3102E-14S-6P or equal
STANDARD CALIBRATION	Positive in Tension

Capacity (lbs)	Ordering Example
50	XLP58-0050
1,000	XLP58-001K
500,000	XLP58-500K

Ranges (lbs)	D	H	A	B	C	T	E	F	G
5 - 25	2.50	.80	.18	6	2.00	1/4-28UNf	.82	.75	1.25
50 - 1,000	3.00	1.00	.28	6	2.25	3/8-24UNF	.82	.75	1.25
2,000 - 5,000	3.50	1.00	.34	6	2.63	1/2-20UNF	.82	.75	1.25
7,500 - 15,000	5.50	1.80	.40	8	4.50	1-14UNS	1.25	1.50	2.00
20,000 - 50,000	6.00	1.80	.53	8	4.88	1 1/2-12UNF	1.25	1.50	2.00
75,000 - 100,000	9.00	2.50	.66	12	7.75	2-12UN	1.25	1.50	2.00
150,000 - 200,000	11.0	3.00	.78	12	9.50	2 1/2-12UN	1.25	1.50	2.00
300,000 - 500,000	14.0	4.25	1.0	12	11.75	3 1/2-8UN	1.25	1.50	2.00