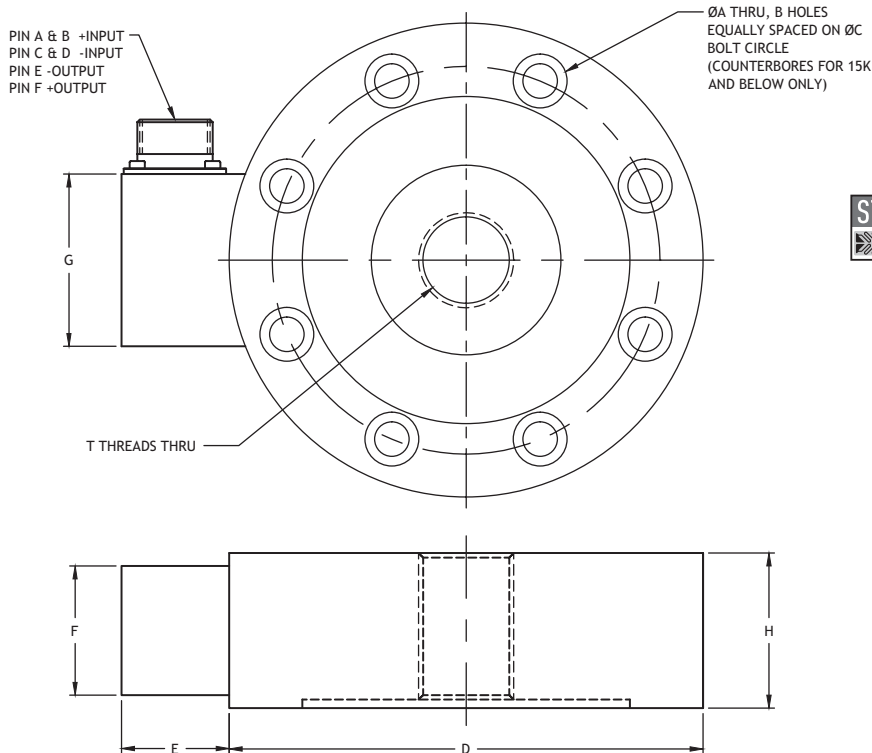


Fatigue Rated Universal Pancake Load Cell

Model XLP24



max.
200,000
lbs



Measuring ranges

- 50 to 200,000 lbs



Features

- Designed for Multi-Cycle Testing
- Long Fatigue Life
- High Overload Capabilities
- Wide Range of Capacities



Options

- Dual Bridge
- Bridge Resistance
- Built-In Amplifier
- Integral Cable
- Tension Plate



Drawing

- 99-3420-0000

PERFORMANCE SPECIFICATIONS (FSO is Full Scale Output)

EXCITATION	10 VDC, 15 VDC max
OUTPUT	2 mV/V $\pm 0.50\%$ FSO
BRIDGE RESISTANCE	350 Ohms
LINEARITY	$\pm 0.10\%$ FSO
HYSTERESIS	$\pm 0.10\%$ FSO
REPEATABILITY	$\pm 0.03\%$ 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	200% of Capacity
MAXIMUM OVERLOAD	400% of Capacity
MATERIAL	
Below 125,000 lbs	17-4 PH Stainless Steel
125,000 lbs & above	Carbon Steel
ELECTRICAL CONNECTOR	
2,000 lbs & below	PTIH-10-6P or Equal
Above 3,000 lbs	MS3102E-14S-6P or Equal
STANDARD CALIBRATION	Positive in Tension

Capacity (lbs)	Ordering Example
50	XLP24-0050
2,500	XLP24-02K5
200,000	XLP24-200K

Ranges (lbs)	D	H	ØA	B	ØC	T	E	F	G
50 - 500	3.00	1.00	.28	6	2.250	3/8-24 UNF	.82	.75	1.25
1,000 - 2,000	3.50	1.00	.34	6	2.625	1/2-20 UNF	.82	.75	1.25
3,000 - 7,500	5.50	1.80	.40	8	4.500	1-1/4 UNS	1.25	1.50	2.00
10,000 - 20,000	6.00	1.80	.53	8	4.875	1 1/2-12 UN	1.25	1.50	2.00
30,000 - 50,000	7.50	2.00	.78	8	6.000	2-12 UN	1.25	1.50	2.00
75,000 - 100,000	9.00	2.50	.66	12	7.750	2 1/2-12 UN	1.25	1.50	2.00
150,000 - 200,000	14.00	4.25	1.03	12	11.750	3 1/2-8 UN	1.50	1.50	2.00

All dimensions are in inches, unless otherwise noted. Also available in metric units.