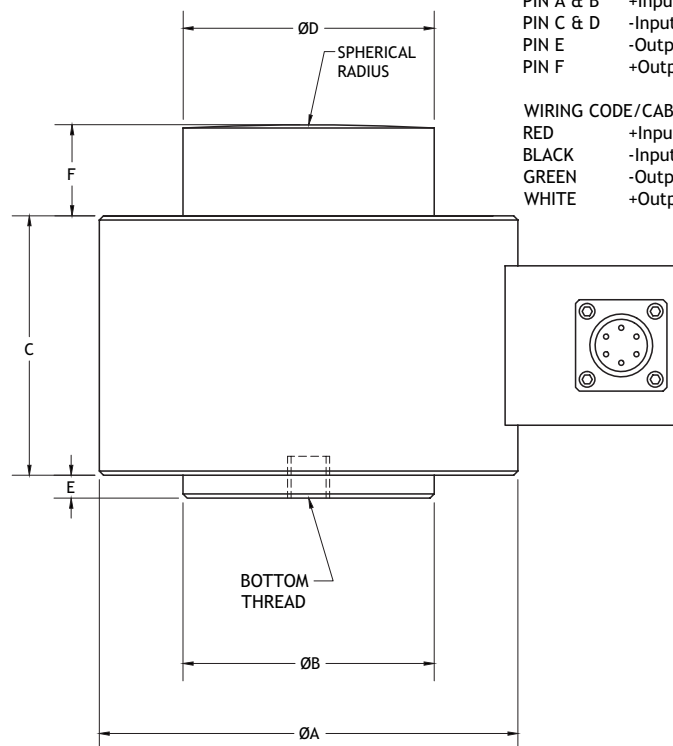


Compact Compression Load Cell

Model XLCH

Force

max.
1,000 t

Measuring ranges

- 0-1 to 0-1,000 t



Features

- Compact Size
- Robust Design
- Environmentally Sealed



Options

- Integral Cable
- Extended Compensated Temperature Range
- Dual Bridge
- Inline Amplifier



Drawing

- 99-3406-0000

All dimensions are in millimeters, unless otherwise noted. Also available in American units.

PERFORMANCE SPECIFICATIONS (FSO is Full Scale Output)		Capacity (t)	Ordering Example	$\varnothing D$	$\varnothing A$	$\varnothing B$	C	E	F	Thread Lifting eye	Bottom thread
EXCITATION	10 VDC	1	XLCH-001T	6.5	22	9.5	19	.5	1.5	N/A	M4x 4 Deep
OUTPUT	2 mV/V Nominal	2.5	XLCH-02T5	6.5	22	9.5	19	.5	1.5	N/A	M4x 4 Deep
BRIDGE RESISTANCE	350 Ohms	5	XLCH-005T	10.5	25	13.5	22.5	1.0	1.5	N/A	M4x 4 Deep
INSULATION RESISTANCE	5,000 MOhms at 50 VDC	10	XLCH-010T	19	38	19	28.5	1.5	4.0	N/A	M6x 6 Deep
ACCURACY	$\pm 0.25\%$ BFS	25	XLCH-025T	30	50	30	45	3.0	7.5	N/A	M6x 6 Deep
REPEATABILITY	$\pm 0.02\%$ FSO	50	XLCH-050T	43	88	43	64	4.0	8.0	N/A	M10x 10 Deep
OPERATING TEMP RANGE	-54 to +121°F (-65 to +250°C)	100	XLCH-100T	60	100	60	90	5.5	22.5	N/A	M10x 10 Deep
COMPENSATED TEMP RANGE	+20 to +71°F (+68 to +160°C)	250	XLCH-250T	95	138	95	142	11	65	M6	M20x 20 Deep
THERMAL EFFECTS	on Zero $\pm 0.01\%$ FSO/°C ($\pm 0.005\%$ FSO/°F)	500	XLCH-500T	134	190	134	200	16	117	M8	M20x 20 Deep
		1,000	XLCH-01KT	185	240	185	285	39	175	M10	M24x 24 Deep
on Span	$\pm 0.01\%$ FSO/°C ($\pm 0.005\%$ Reading/°F)										
SAFE OVERLOAD	150% of Capacity										
CASING MATERIAL	Stainless Steel										
ELECTRICAL	4 Conductor cable Connector MS3102E-14S-6P or Equal	≤ 25 tons									
		> 25 tons									