

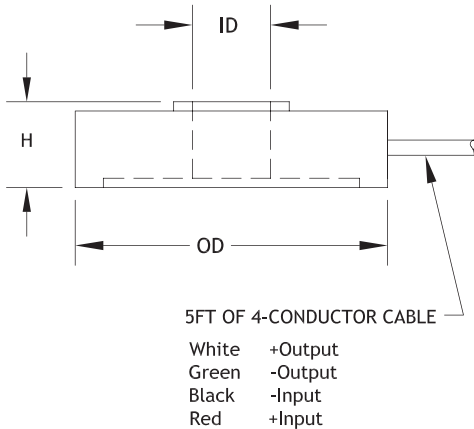
Donut Load Cell

Model XLD150-XLD300

Force



max.
100,000
lbs

**Measuring ranges**

- 0-5 to 0-100,000 lbs

**Features**

- Through-Hole Design
- Compact Profile
- Fits up to 1-1/2" Bolt

**Drawing**

- 99-2784-0000

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

PERFORMANCE SPECIFICATIONS (FSO is Full Scale Output)		Capacity (lbs)	Ordering Example	OD	H	ID thru hole
EXCITATION	10 VDC, 15 VDC max	100 - 5,000	XLD150	1.50	.50	.100 dia to .500 dia
OUTPUT	2 mV/V Nominal	5 - 10,000	XLD200	2.00	.37	.125 dia to .625 dia
BRIDGE RESISTANCE	350 Ohms	250 - 10,000	XLD200	2.00	.63	.125 dia to 1.00 dia
LINEARITY	±0.5% FSO, Combined	1,000 - 100,000	XLD250	2.50	1.00	.250 dia to 1.50 dia
HYSTERESIS		1,000 - 100,000	XLD300	3.00	1.00	.250 dia to 1.50 dia
REPEATABILITY	±0.1% FSO, Combined					
ZERO BALANCE	±2.0% 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	±0.005% FSO/°F					
on Span	±0.010% Reading/°F					
SAFE OVERLOAD	150% of Capacity					
ULTIMATE OVERLOAD	300% of Capacity					
CASING MATERIAL	Stainless Steel					

How to order

Note: not all combinations are possible, see chart

