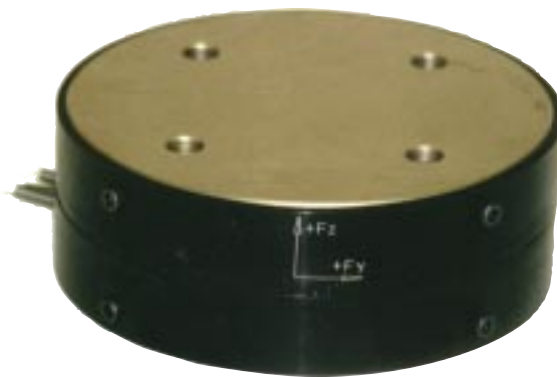


70048

TRI-AXIAL LOAD CELL

This three-component force sensor is capable of simultaneously measuring the forces in Fx, Fy, and Fz directions. The sensor has a low profile and is available in capacities charted below. Custom flanges, dimensions, and capacities are also available.

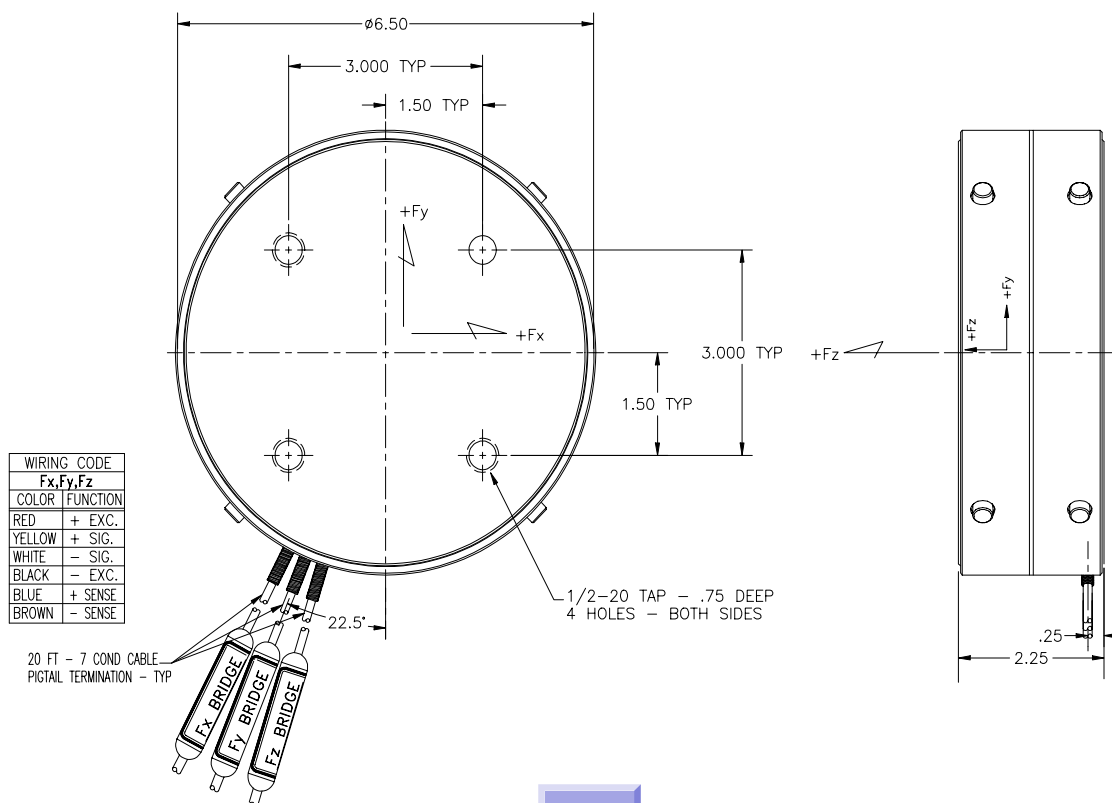


SPECIFICATIONS

Capacity F.S. - (Fx, Fy, Fz)..... See chart
 Overload capacity..... 150% of F.S.
 Output, nominal..... 1.5 mV/V F.S.
 Excitation, maximum..... 15 Vdc
 Bridge resistance, nominal..... 350 Ohms
 Non-linearity..... <1.0% F.S.
 Hysteresis..... <1.0% F.S.
 Operating temperature range..... -65 to +250°F
 Crosstalk..... <5% F.S.

DIMENSIONS

MODEL	CAPACITY LBS.			EXTRANEIOUS LOAD COEFFICIENTS				SPRING CONSTANTS (X10 ⁹) #/IN OR IN#/RAD			
	Fx	Fy	Fz	a=b	c	d=e	f	Kx=Ky	Kz	Kmx-Kmy	Kmz
70048-00D	400	400	1250	52.5	5.07	3.65	18.4	.191	2.79	10.8	1.48
70048-00C	50000	50000	50000	1.20	.46	.37	.47	26.4	100.8	320	171
70048-00B	15000	15000	15000	4.31	1.10	.82	1.58	9.0	43.0	151	63.8
70048-00A	20000	20000	20000	3.22	.89	.68	1.20	11.6	52.1	180	80.9



DWG