

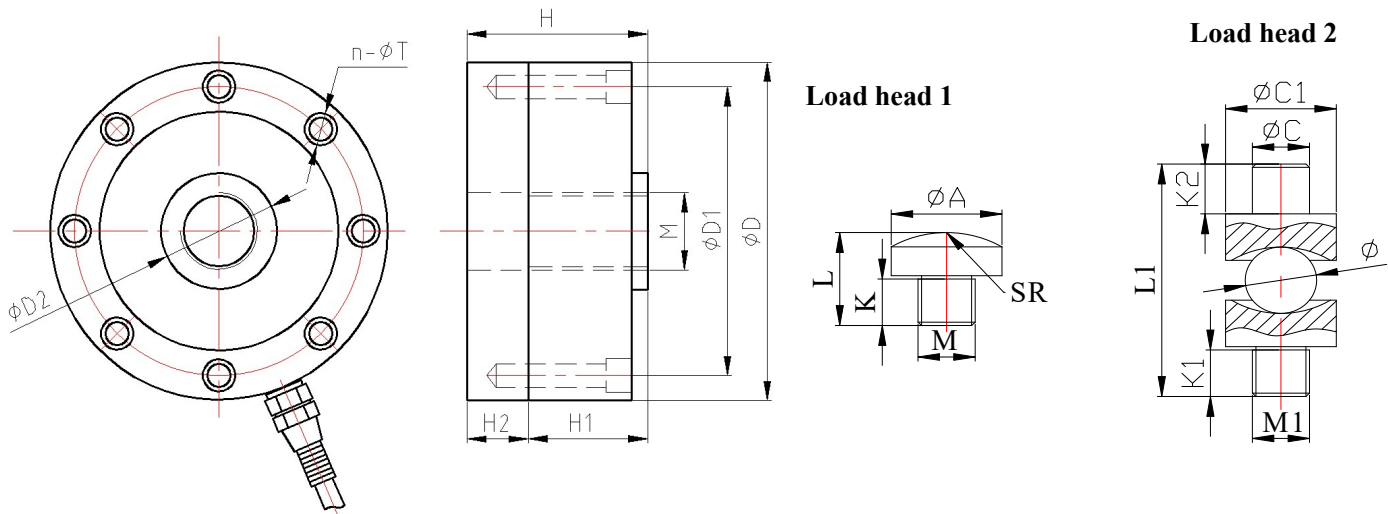
LFA3 Sensor



DESCRIPTION

Wheel shaped load cell, shear beam, good rigidity, strong side force resistance, high output, overload self-locking. Potted sealed or hermetically sealed. Widely used in truck scale, railroad scale, tester, crane scale, etc.

OUTLINE DIMENSIONS in millimeters (mm)



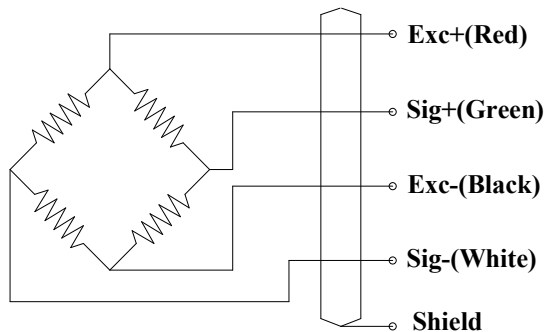
Capacity		Size mm							
Klb	t	D	D1	D2	H	H1	H2	M	n- ϕT
1~15	0.5-7.5	104.7	88.9	34	53.8	34.8	19	M16×1.5	4- $\phi 7.5$ (5~10K)8- $\phi 7.5$
25~50	10-25	120.7	101.6	38.9	77.8	53.8	24	M32×1.5	4- $\phi 8.7$
100	50	140	116.8	50.4	86.2	57.2	29	M40×1.5	8- $\phi 10.5$
150~200	60-100	200	162	76	125	83	42	M60×2	16- $\phi 13$

Capacity		Size mm										
Klb	t	ϕA	L	K	SR	L1	K1	K2	$\phi C1$	ϕC	ϕ	M
1~15	0.5-7.5	31	28	15	30	70	15	15	31	16	20	M16×1.5
25~50	10-25	38	55	27	50	118	28	28	38	30	27	M32×1.5
100	50	50	66	31	80	165	35	35	50	40	41.2	M40×1.5
150~200	60-100	76	80	35	160	210	45	45	76	60	63.5	M60×2

SPECIFICATIONS

Capacity	t	1, 2, 3, 5, 7.5, 10, 15, 20, 25, 50, 60, 100
Rated output	mv/v	2.0±0.1%
Non-linearity	%F.S	0.03
Hysteresis	%F.S	0.03
Creep in 30 minutes	%F.S	0.03
Zero balance	%F.S	±1
Input resistance	Ω	760±15 / 385±15
Output resistance	Ω	700±5 / 350±3
Insulation resistance	MΩ	≥5000
Excitation voltage	V	10V (maximum 15V) AC/DC
Environmental protection		IP67
Safe overload	%F.S	150
Ultimate overload	%F.S	300
Operating temperature range	°C	-10~+40
Material		Alloy steel & Stainless steel
Cable Length	m	9

Wiring Schematic Diagram



FEATURE

- Capacities 1~100 t
- Axle-load scale, warehouse scale, experimental machine