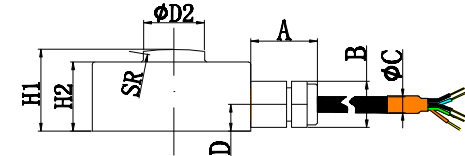
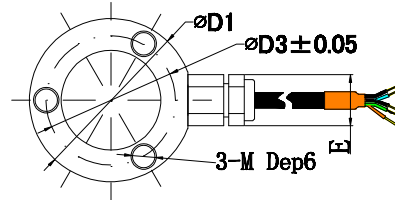


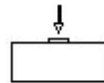
微型压式传感器 / Miniature Compression Force Sensor

LFC-3M-XX



型号 Model	量程 Capacity	D1	D2	D3	H1	H2	SR	A	B	C	D	E	M
LFC-3M-20	50-500N	20	2.5	15.5	12	10	10	7.5	5	2	4.5	5.7	M3
LFC-3M-25	100-500N	25	5	19	16	13.5	10	13	9	3	6	10	M4
LFC-3M-32	1-10KN	32	8	25.4	16	13.5	16	13	9	3	5.3	10	M5
LFC-3M-38	20-50KN	38	11	30	16	14	50	13	9	3	5.2	10	M5
LFC-3M-51	60-120KN	51	15	41	30	25	30	14	14	4	12	15.7	M8

TECHNICAL SPECIFICATION



量程 Capacity	0 ~ 120KN	材质 Material	不锈钢 Stainless Steel
输出灵敏度 Rated Output	1.0-1.5mV/V	输出阻抗 Output Impedance	350(700) \pm 5 Ω
零点输出 Zero Balance	\pm 2 % F.S.	绝缘电阻 Insulation	\geq 5000M Ω /100VDC
非线性 Non-linearity	0.5 % F.S.	使用电压 Recommended Excitation	5 ~ 10V
滞后 Hysteresis	0.5% F.S.	最大使用电压 Maximum Excitation	15V
重复性 Repeatability	0.5% F.S.	温度补偿范围 Compensated Temp Range	- 10 ~ 60 $^{\circ}$ C
蠕变 (30分钟) Creep (30min)	0.1 % F.S.	工作温度范围 Operating Temp Range	- 20 ~ 80 $^{\circ}$ C
温度灵敏度漂移 Temp Effect on Output	0.05 % F.S. / 10 $^{\circ}$ C	安全超载 Safe Load Limit	120%
零点温度漂移 Temp Effect on Zero	0.05 % F.S. / 10 $^{\circ}$ C	极限超载 Ultimate Load Limit	150%
输入阻抗 Input Impedance	385(750) \pm 10 Ω	电缆线尺寸 Cable Size	ϕ (2~4)x 3m
电缆线连接方式 Wire Connection	Ex + : 红 Red; Ex - : 黑 Black; Sig + : 绿 Green; Sig - : 白 White		
主要应用 Applications	按键手感度测试仪, 冷热压机压力检测, 机器人手抓力, 压装机等安装空间小的力值检测领域 Force measurement in small space installation, such as feeling tester for keyboard switch, compression force measurement for hot and cold lamination machine, and grasping force measurement for robotic hands.		