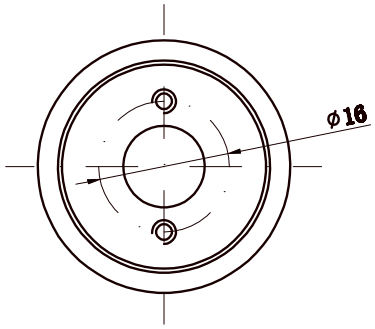
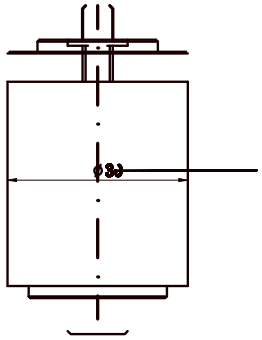
深圳市力准传感技术有限公司
Shenzhen Ligent Sensor Tech Co., Ltd

Compression Force Sensor

LF-611





TECHNICAL SPECIFICATION

Capacity	50,75,100,150,200,250,300,500kg	Material	Alloy steel, Stainless Steel
Rated Output	2.0 ± 10% mV/V	Output Impedance	350 ± 3 Ω
Zero Balance	± 2% F.S.	Insulation	≥5000MΩ/100VDC
Non-linearity	0.05-0.1 % F.S.	Recommended Excitation	3~10V
Hysteresis	0.05 %F.S.	Maximum Excitation	15V
Repeatability	0.05 % F.S.	Compensated Temp Range	- 10 ~ 40 °C
20 Hours Creep (30min)	0.05 % F.S.	Operation Temp Range	-20 ~ 60°C
Temp Effect on Output	0.05 % F.S. / 10°C	Safe Load Limit	150%
Temp Effect on Zero	0.05 % F.S. / 10°C	Ultimate Overload	200%
Input Impedance	385 ± 10Ω	Cable Size	Ø 3 x 3m
Wire Connection	Red: + EXC; Black: - EXC; Green: - SIG; White: + SIG		
Applications	Mainly applied in plasic shaped machines, and impact force test equipments, pneumatic hydraulic equipments and other fields		