

The LKCP is a donut shaped load cell, and is an economical answer for applications requiring a through hole design. Such applications include bolt force measurement, post or leg mount and rolling mill systems. These models are used in compression applications. For optimum performance these models must be mounted between load surfaces which are flat and parallel. The extremely low profile and compact design, combined with their all stainless steel construction and environmental protection have a proven reliability in tough industrial applications.



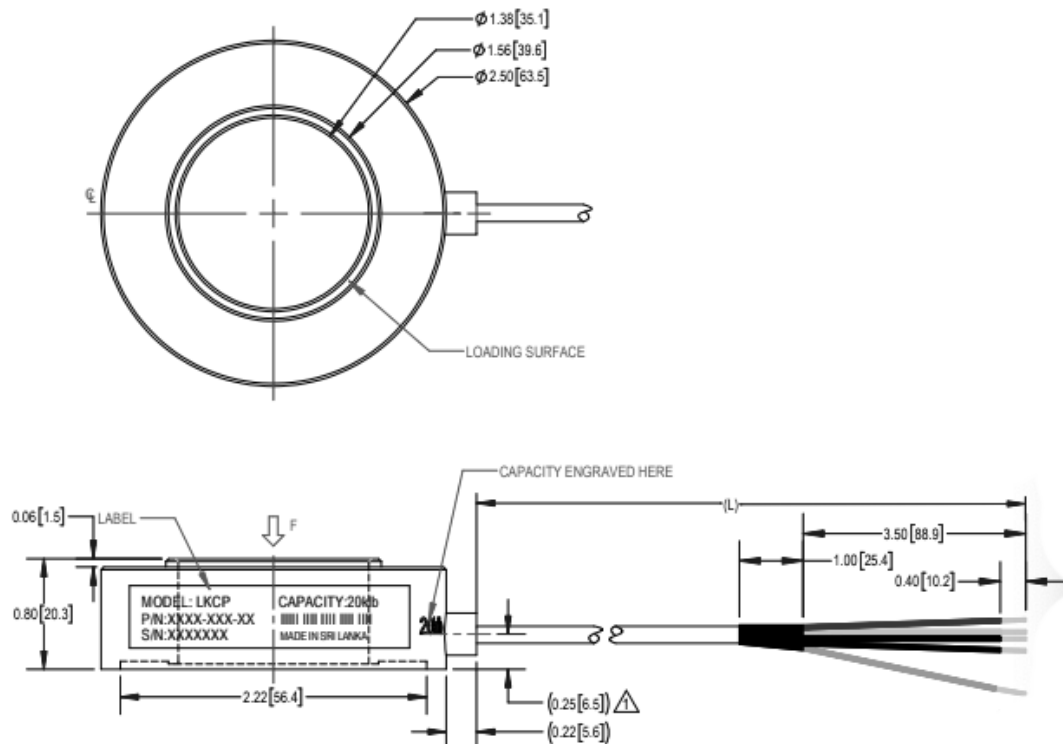
FEATURES

- Stainless Steel
- Environmental Protection
- Compact Design
- IP67

APPLICATIONS

- Bolt Force Measurement
- Rope Tensioning
- Tank Weighing

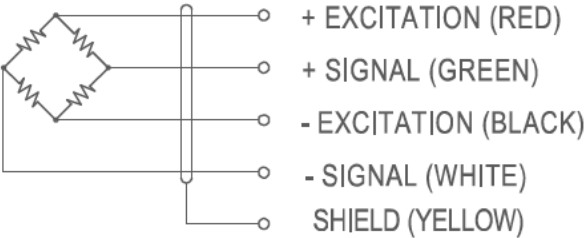
DIMENSIONS



SPECIFICATIONS

Model	LKCP	
Capacities	klb	20
Full Scale Output	mV/V	2.0±10%
Non-Repeatability	%FS	≤±0.1
Non-Linearity	%FS	≤±1
Hysteresis	%FS	≤±1
Creep @30 min	%FS	≤±0.1
Zero Balance	%FS	≤±5
Temperature Effect		
Output	%FS/10 °C	≤±0.04
Zero	%FS/10 °C	≤±0.04
Temperature Range		
Compensated	°C	-10 ~ +40
Operating	°C	-20 ~ +65
Terminal Resistance		
Input	Ω	735±30
Output	Ω	700±5
Excitation Voltage	VDC	5 ~ 15
Insulation Resistance @50VDC	M Ω	≥5000
Safe Overload Limit	%FS	150
Ultimate Load	%FS	200
Cable Length (L)	ft	1.5 ^{+0.1} ₋₀
Cable Type	28 AWG 4 Conductors Gray Cable with Shield	
Environmental Protection	IP67	
Element Material	Stainless Steel	

WIRING



PART NUMBER

Capacity (lb)	Part Number
20,000	5055-003-00