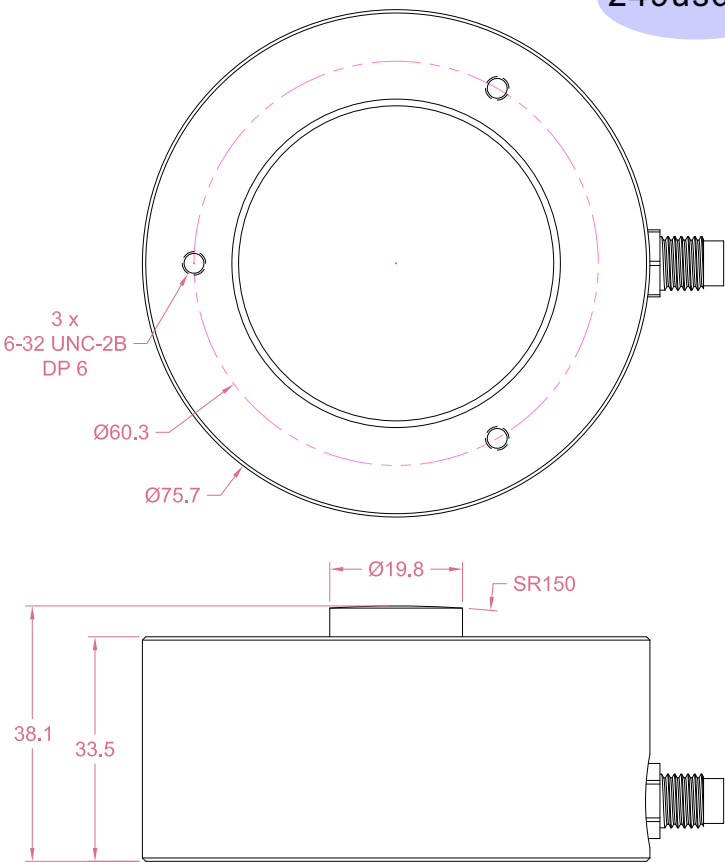




Order example:

1 x LLB550-50klb

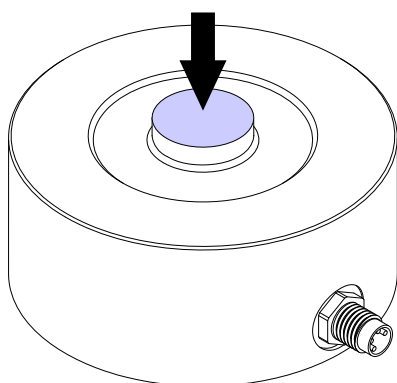
Quantity Part No.

Email to sales@loadcellsensor.com for a quote

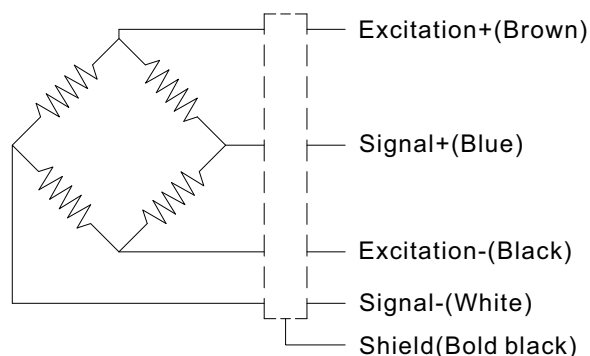
Specifications			
Rated Capacity	10/20/30/50klb		
Rated Output	2.0 mV/V	Compensated Temp.	0...+60°C
Excitation	3~15V	Operating Temp.	-20...+80°C
Zero Balance	±0.05 mV/V	Temp. Coeff. of Zero	±0.01% F.S./°C
Nonlinearity	±0.3% F.S.	Temp. Coeff. of Span	±0.02% F.S./°C
Hysteresis	±0.3% F.S.	Input Resistance	750±50 Ohms
Nonrepeatability	±0.1% F.S.	Output Resistance	700±10 Ohms
Creep(30min)	±0.1% F.S.	Insulation Resistance	>2000M Ohms(50V)
Safe Load Limit	150% F.S.	IP Rating	IP67
Breaking Load	200% F.S.	Element Material	Stainless steel
Cable	Ø5.2*2000mm 4-conductor shielded cable		

• LCS reserves the right to modify its design and specifications without notice

Load direction



Wiring Code



Shield is connected to the sensor body

Sensor/Amplifier/Indicator

Items	Power supply	Output/Function
LLB550	3-15V (Constant)	0mV...+30mV (Depending on the power supply)
LLB550 + Analog amplifier	12~24V DC	0-3.3V,0-5V,0-10V, 0-20mA,4-20mA...
LLB550 + Digital amplifier	12~24V DC	RS485 or RS232 output
LLB550 + Indicator	12~24V DC	Display force value Switch/Relay output Peak holding RS485/RS232 interface 0-5V/0-10V/4-20mA output
Email us for datasheet of amplifier and indicator		

Customization options

Cable (Length/Specifications/Connectors)
Dimensions and measuring range
Working Temperature (-40°C...+180°C)

CERTIFICATE OF CALIBRATION

Date: 2022-08-22

Temperature: 22°C

Item No.	LLB550-50klb		
Rated Output	2.0000 mV/V	Compensated Temp.	0...+60°C
Excitation	3~15V	Operating Temp.	-20...+80°C
Zero Balance	±0.05mV/V	Temp. Shift Zero	±0.01% F.S./°C
Nonlinearity	±0.3% F.S.	Temp. Shift Span	±0.02% F.S./°C
Hysteresis	±0.3% F.S.	Input Resistance	750±50Ω
Nonrepeatability	±0.1% F.S.	Output Resistance	700±10Ω
Creep(30min)	±0.1% F.S.	Insulation Resistance	>2000MΩ(50V)
Safe Overload	150% F.S.	Ingress Protection	IP67
Ultimate Overload	200% F.S.	Material of Element	Stainless steel
Cable	Ø5.2*2000mm		
Wiring code @ Compression	Red: E+ Black: E- Green: S+ White: S- Yellow: Shield		
S/N:F220822308			

Test Data @ Compression

Load (klb)	Output(mV/V)	
	Increase	Decrease
0	0	0.0001
10	0.4017	0.4022
20	0.8021	0.8030
30	1.2014	1.2011
50	2.0000	
	Nonlinearity	Hysteresis
	0.11%	0.05%

P:3/3