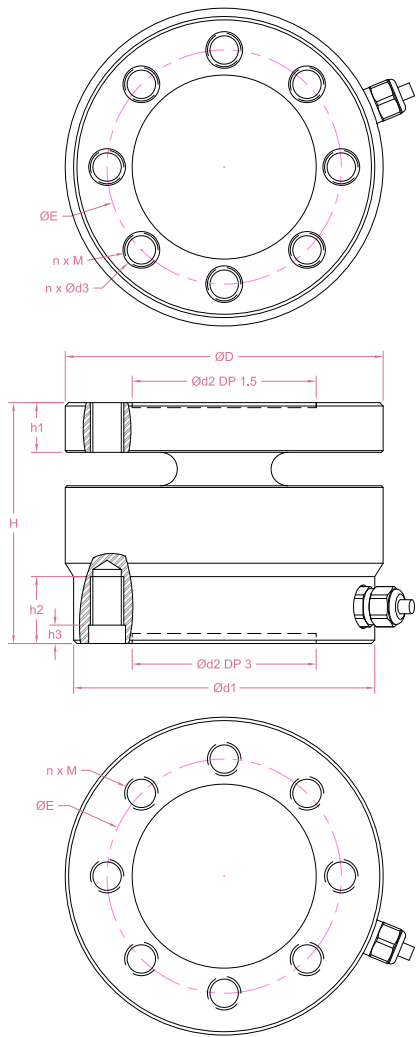


Dimensions in "mm"



Model code	Capacity	D	H	h1	h2	h3	d1	d2	d3	E	n	M	Price
LCF09-A	0.5~10kN	35	30.5	6	7	2	33	18	5.3	26	4	M5	189usd/pc
LCF09	1~10kN	54	47	8.5	13	5	50	34	5.5	42	4	M5	226usd/pc
	20~100kN	95	72	15	20	5	90	55	11	70	8	M10	299usd/pc
	150/200kN	125	75	22	22	5	120	80	13	100	8	M12	425usd/pc

Order example:

1 x LCF09 - 10kN

Quantity

Model

Capacity

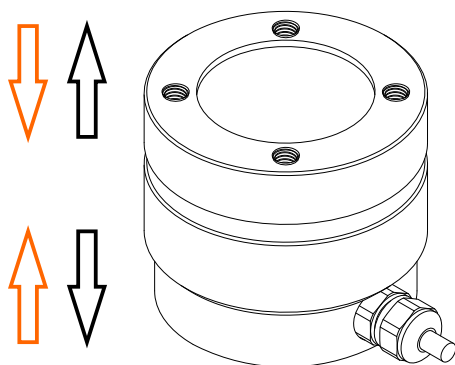
Email to sales@loadcellsensor.com for a quote

Specifications			
Rated Capacity	0.5/1/2/5/10/20/30/50/100/150/200 kN		
Rated Output	1.5 mV/V	Compensated Temp.	0...+40°C
Excitation	3~15V	Operating Temp.	-20...+60°C
Zero Balance	±0.05 mV/V	Temp. Coeff. of Zero	±0.03% F.S./°C
Nonlinearity	±0.3% F.S.	Temp. Coeff. of Span	±0.02% F.S./°C
Hysteresis	±0.3% F.S.	Input Resistance	700±100 Ohms
Nonrepeatability	±0.1% F.S.	Output Resistance	700±100 Ohms
Creep(5min)	±0.1% F.S.	Insulation Resistance	>2000M Ohms(50V)
Safe Load Limit	150% F.S.	IP Rating	IP65
Breaking Load	200% F.S.	Element Material	Stainless steel
Cable	Ø3/Ø5*3000mm 4-conductor shielded cable		

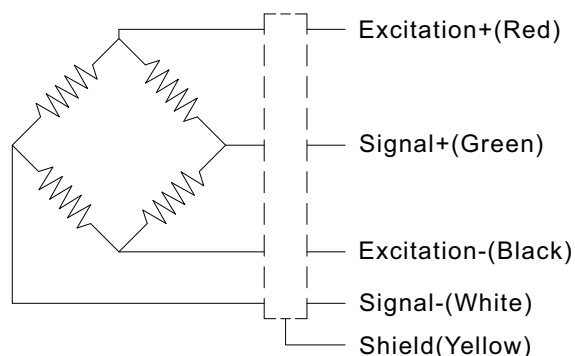
• LCS reserves the right to modify its design and specifications without notice

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Load direction



Wiring Code@Compression



Shield is NOT connected to the sensor body

Sensor/Amplifier/Indicator

Items	Power supply	Output/Function
LCF09	3-15V (Constant)	-22.5mV...+22.5mV (Depending on the power supply)
LCF09 + Analog amplifier	12~24V DC	0-3.3V,0-5V,0-10V, -5-5V,-10-10V,0-5-10V 0-20mA,4-20mA,4-12-20mA...
LCF09 + Digital amplifier	12~24V DC	RS485 or RS232 output
LCF09 + 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: 2023-09-26

Temperature: 22°C

Item No.	LCF09-20kN		
Rated Output	1.8560 mV/V	Compensated Temp.	0...+40°C
Excitation	3~15V	Operating Temp.	-20...+60°C
Zero Balance	±0.05mV/V	Temp. Shift Zero	±0.03% F.S./°C
Nonlinearity	±0.3% F.S.	Temp. Shift Span	±0.02% F.S./°C
Hysteresis	±0.3% F.S.	Input Resistance	700±100Ω
Nonrepeatability	±0.1% F.S.	Output Resistance	700±100Ω
Creep(5min)	±0.1% F.S.	Insulation Resistance	>2000MΩ(50V)
Safe Overload	150% F.S.	Ingress Protection	IP65
Ultimate Overload	200% F.S.	Material of Element	Stainless steel
Cable	Ø5*3000mm		
Wiring code @ Compression	Red: E+ Black: E- Green: S+ White: S- Yellow: Shield		
S/N:F230926128			

Test Data @ Compression

Load (kN)	Output(mV/V)	
	Increase	Decrease
0	0	0.0002
5	0.4648	0.4659
10	0.9305	0.9315
15	1.3933	1.3940
20	1.8560	
	Nonlinearity	Hysteresis
	0.14%	0.06%

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