



FEATURES

- Fast (µs) response time
- 17-4 PH stainless-steel construction •
- Environmental Protection, IP67 Rated •
- Water Resistant and Outdoor Rated •
- Low power consumption •
- Quick Disconnect Cable •
- Compact Size with bottom mounting • provisions
- Notable non-linearity & non-repeatability •

	Non-loading surface, do not contact		
	Active End		
	Fixed End		
Тор	view	Bottom view	



+ Output (compression)

SPECIFICATIONS			
PERFORMANCE			
Nonlinearity	±0.25% of RO		
Hysteresis	±0.25% of RO		
Nonrepeatability	±0.1% of RO		
ELECTRICAL			
Rated Output (RO)	2 mV/V nom		
Excitation (VDC or VAC)	18 max		
Bridge Resistance	700 Ohm nom		
Insulation Resistance	≥500 MOhm @ 50 VDC		
Connection	4 Position Micro Receptacle		
Wiring/Connector Code	CC19		
MECHANICAL			
Weight (approximate)	40 oz [1.1 kg]		
Safe Overload	150% of RO		
Deflection	0.0058"		
Material	17-4 PH stainless-steel		
IP Rating	IP67		
TEMPERATURE			
Operating Temperature	–60 to 200°F [–50 to 93°C]		
Compensated Temperature	60 to 160°F [15 to 72°C]		
Temperature Shift Zero	±0.005% of RO/°F [0.009% of RO/°C]		
Temperature Shift Span	±0.005% of LOAD/°F [0.009% of LOAD/°C]		
CALIBRATION			
Calibration Test Excitation	10 VDC		
Calibration (standard)	5-pt Compression		
Shunt Calibration Value	100 kOhm		
CONFORMITY			
RoHS	EU 2015/863		
	ENEE011. ENI/122/ 1		



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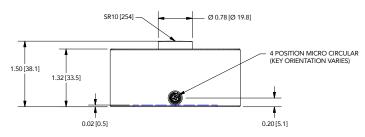


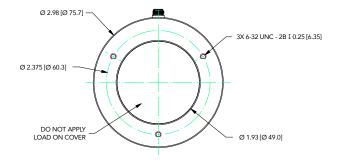


FUTEK Model LLB550

DIMENSIONS inches [mm]







FUTE	K 4 PIN MICRO CIRCU	LAR (CC19)	
1	+ EXCITATION	Red	
2	– EXCITATION	Black	21
3	– SIGNAL	White	43
4	+ SIGNAL	Green	

CAPACITIES

ITEM #	lb	N	FZ Deflection (in)	Natural Frequency (kHz)
FSH04536	50k	222400	0.0058	22.7

Drawing Number: FI1533

FUTEK reserves the right to modify its design and specifications without notice.

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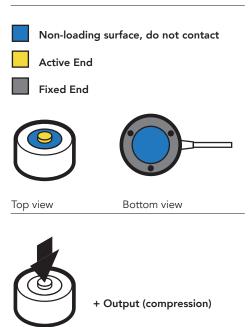
U.S. Manufacturer





FEATURES

- Ultra low deflection
- Robust strain relief •
- 17-4 PH stainless-steel construction
- For use in compression •
- Utilizes metal foil strain gauge technology •
- Includes bottom mounting provisions •



SPECIFICATIONS			
PERFORMANCE			
Nonlinearity	±0.25% of RO		
Hysteresis	±0.25% of RO		
Nonrepeatability	±0.1% of RO		
ELECTRICAL			
Rated Output (RO)	2 mV/V nom		
Excitation (VDC or VAC)	18 max		
Bridge Resistance	700 Ohm nom		
Insulation Resistance	≥500 MOhm @ 50 VDC		
Connection	#26 AWG, 4 conductor, braided shielded Teflon cable		
Wiring/Connector Code	WC1		
MECHANICAL			
Weight (approximate)	40 oz [1.1 kg]		
Safe Overload	150% of RO		
Deflection	See chart on next page		
Material	17-4 PH stainless-steel		
IP Rating	IP64		
TEMPERATURE			
Operating Temperature	–60 to 200°F [–50 to 93°C]		
Compensated Temperature	60 to 160°F [15 to 72°C]		
Temperature Shift Zero	±0.01% of RO/°F [0.018% of RO/°C]		
Temperature Shift Span	±0.02% of LOAD/°F [0.036% of LOAD/°C]		
CALIBRATION			
Calibration Test Excitation	10 VDC		
Calibration (standard)	5-pt Compression		
Shunt Calibration Value	100 kOhm		
CONFORMITY			
RoHS	EU 2015/863		
CE	EN55011; EN61326-1		

Sensor Solution Source Load · Torque · Pressure · Multi-Axis · Calibration · Instruments · Software

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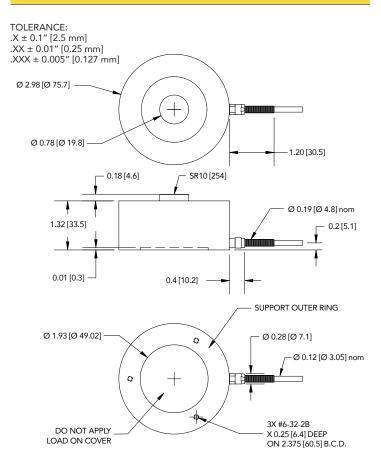
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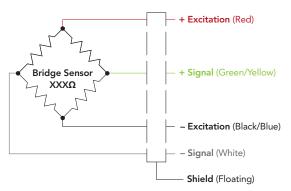


FUTEK Model LLB550

DIMENSIONS inches [mm]



WIRING CODE (WC1 WITH SHIELD)			
RED	+ EXCITATION		
BLACK	– EXCITATION		
GREEN	+ SIGNAL		
WHITE	– SIGNAL		
SHIELD	FLOATING		



CAPACITIES				
ITEM #	lb	N	FZ Deflection (in)	Natural Frequency (kHz)
FSH04535	50k	222400	0.0042	15.9

Drawing Number: FI1480-B

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