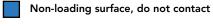




FEATURES

- Ultra fast response
- Robust strain relief
- Low deflection
- 17-4 stainless-steel construction
- For use in compression
- Adheres to RoHS directive 2011/65/EU





Fixed End







Bottom view



+ Output (compression)

### #################################	SPECIFICATIONS	
### #################################	PERFORMANCE	
Deflection De	Nonlinearity	±0.2% of RO
ELECTRICAL Rated Output (RO) 2.5 mV/V (1000 lb) 1 mV/V (50, 250 lb) 2 mV/V (25, 100, 500 lb) Excitation (VDC or VAC) 18 max Bridge Resistance 700 Ohm nom Insulation Resistance ≥500 MOhm @ 50 VDC Connection #29 AWG, 4 conductor, spiral shielded Teflon cable 10-ft [3 m] long Wiring/Connector Code WC1 MECHANICAL Weight 1.2 oz [34 g] 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 250°F (-50 to 121°C) Compensated Temperature 60 to 250°F (15 to 121°C) Temperature Shift Zero ±0.01% of RO/*F (±0.036% of Load/°C) Temperature Shift Span ±0.02% of Load/°F (±0.036% of Load/°C) CALIBRATION Calibration Test Excitation 10 VDC Calibration See Compression Shunt Calibration Value 100 kOhm CONFORMITY ROHS	Hysteresis	±0.2% of RO
Rated Output (RO) 2.5 mV/V (1000 lb) 1 mV/V (50, 250 lb) 2 mV/V (25, 100, 500 lb) Excitation (VDC or VAC) 18 max Bridge Resistance 700 Ohm nom Insulation Resistance ≥500 MOhm @ 50 VDC Connection #29 AWG, 4 conductor, spiral shielded Teflon cable 10-ft [3 m] long Wiring/Connector Code WC1 MECHANICAL Weight 1.2 oz [34 g] 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 250°F (-50 to 121°C) Compensated Temperature 60 to 250°F (15 to 121°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 (std) S-pt Compression Shunt Calibration Value CONFORMITY ROHS	Nonrepeatability	±0.1% of RO
1 mV/V (50, 250 lb) 2 mV/V (25, 100, 500 lb) Excitation (VDC or VAC) 18 max Bridge Resistance 700 Ohm nom Insulation Resistance ≥500 MOhm @ 50 VDC Connection #29 AWG, 4 conductor, spiral shielded Teflon cable 10-ft [3 m] long Wiring/Connector Code WC1 MECHANICAL Weight Weight 1.2 oz [34 g] Safe Overload 150% of RO Deflection See chart on next page Material 17-4 PH stainless-steel IP Rating IP64 TEMPERATURE Operating Temperature Operating Temperature -60 to 250°F (-50 to 121°C) Compensated Temperature 60 to 250°F (15 to 121°C) Temperature Shift Span ±0.01% of RO/°F (±0.018% of RO/°C) Temperature Shift Span ±0.02% of Load/°F (±0.036% of Load/°C) CALIBRATION 5-pt Compression Shunt Calibration Value 100 kOhm CONFORMITY ROHS 2011/65/EU	ELECTRICAL	
Bridge Resistance 700 Ohm nom Insulation Resistance ≥500 MOhm @ 50 VDC Connection #29 AWG, 4 conductor, spiral shielded Teflon cable 10-ft [3 m] long Wiring/Connector Code WC1 MECHANICAL Weight 1.2 oz [34 g] 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 250°F (−50 to 121°C) Compensated Temperature 40 to 250°F (±0.018% of RO/°C) Temperature Shift Zero ±0.01% of RO/°F (±0.036% of Load/°C) CALIBRATION Calibration Test Excitation 10 VDC Calibration (std) 5-pt Compression Shunt Calibration Value 100 kOhm CONFORMITY ROHS 2011/65/EU	Rated Output (RO)	1 mV/V (50, 250 lb)
Insulation Resistance ≥500 MOhm @ 50 VDC Connection #29 AWG, 4 conductor, spiral shielded Teflon cable 10-ft [3 m] long Wiring/Connector Code WC1 MECHANICAL Weight 1.2 oz [34 g] 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 250°F (-50 to 121°C) Compensated Temperature 60 to 250°F (±0.018% of RO/°C) Temperature Shift Zero ±0.01% of RO/°F (±0.036% of Load/°C) CALIBRATION Calibration Test Excitation 10 VDC Calibration (std) 5-pt Compression Shunt Calibration Value CONFORMITY ROHS 2011/65/EU	Excitation (VDC or VAC)	18 max
Connection #29 AWG, 4 conductor, spiral shielded Teflon cable 10-ft [3 m] long Wiring/Connector Code WC1 MECHANICAL Weight 1.2 oz [34 g] 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 250°F (-50 to 121°C) Compensated Temperature 60 to 250°F (15 to 121°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 (std) 5-pt Compression Shunt Calibration Value 100 kOhm CONFORMITY ROHS	Bridge Resistance	700 Ohm nom
cable 10-ft [3 m] long Wiring/Connector Code MECHANICAL Weight 1.2 oz [34 g] 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 250°F (-50 to 121°C) Compensated Temperature 60 to 250°F (15 to 121°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 (std) S-pt Compression Shunt Calibration Value CONFORMITY RoHS 2011/65/EU	Insulation Resistance	≥500 MOhm @ 50 VDC
MECHANICAL Weight 1.2 oz [34 g] 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 250°F (-50 to 121°C) Compensated Temperature 60 to 250°F (15 to 121°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 (std) 5-pt Compression Shunt Calibration Value 100 kOhm CONFORMITY ROHS 2011/65/EU	Connection	
Weight 1.2 oz [34 g] 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 250°F (-50 to 121°C) Compensated Temperature 60 to 250°F (15 to 121°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 (std) 5-pt Compression Shunt Calibration Value 100 kOhm CONFORMITY ROHS ROME See chart on next page 17-4 PH stainless-steel 10-4 PH stainless-steel 10-6 to 250°F (-50 to 121°C) 5-50 to 121°C) 5-60 to 250°F (±0.036% of Load/°C) 5-50 to 121°C)	Wiring/Connector Code	WC1
Safe Overload Deflection See chart on next page Material 17-4 PH stainless-steel IP Rating IP64 TEMPERATURE Operating Temperature -60 to 250°F (-50 to 121°C) Compensated Temperature 60 to 250°F (15 to 121°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 (std) 5-pt Compression Shunt Calibration Value 100 kOhm CONFORMITY ROHS	MECHANICAL	
Deflection See chart on next page Material 17-4 PH stainless-steel IP Rating IP64 TEMPERATURE Operating Temperature -60 to 250°F (-50 to 121°C) Compensated Temperature 60 to 250°F (15 to 121°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 (std) 5-pt Compression Shunt Calibration Value 100 kOhm CONFORMITY ROHS	Weight	1.2 oz [34 g]
Material 17-4 PH stainless-steel IP Rating IP64 TEMPERATURE Operating Temperature -60 to 250°F (-50 to 121°C) Compensated Temperature 60 to 250°F (15 to 121°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 (std) 5-pt Compression Shunt Calibration Value 100 kOhm CONFORMITY ROHS 2011/65/EU	Safe Overload	150% of RO
IP Rating TEMPERATURE Operating Temperature -60 to 250°F (-50 to 121°C) Compensated Temperature 60 to 250°F (15 to 121°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 (std) 5-pt Compression Shunt Calibration Value 100 kOhm CONFORMITY RoHS 2011/65/EU	Deflection	See chart on next page
TEMPERATURE Operating Temperature	Material	17-4 PH stainless-steel
Operating Temperature -60 to 250°F (-50 to 121°C) Compensated Temperature 60 to 250°F (15 to 121°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 (std) 5-pt Compression Shunt Calibration Value 100 kOhm CONFORMITY ROHS 2011/65/EU	IP Rating	IP64
Compensated Temperature 60 to 250°F (15 to 121°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 (std) 5-pt Compression Shunt Calibration Value 100 kOhm CONFORMITY RoHS 2011/65/EU	TEMPERATURE	
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 (std) 5-pt Compression Shunt Calibration Value 100 kOhm CONFORMITY ROHS 2011/65/EU	Operating Temperature	-60 to 250°F (-50 to 121°C)
Temperature Shift Span ±0.02% of Load/°F (±0.036% of Load/°C) CALIBRATION Calibration Test Excitation 10 VDC Calibration (std) 5-pt Compression Shunt Calibration Value 100 kOhm CONFORMITY ROHS 2011/65/EU	Compensated Temperature	60 to 250°F (15 to 121°C)
CALIBRATION Calibration Test Excitation 10 VDC Calibration (std) 5-pt Compression Shunt Calibration Value 100 kOhm CONFORMITY RoHS 2011/65/EU	Temperature Shift Zero	±0.01% of RO/°F (±0.018% of RO/°C)
Calibration Test Excitation 10 VDC Calibration (std) 5-pt Compression Shunt Calibration Value 100 kOhm CONFORMITY ROHS 2011/65/EU	Temperature Shift Span	±0.02% of Load/°F (±0.036% of Load/°C)
Calibration (std) 5-pt Compression Shunt Calibration Value 100 kOhm CONFORMITY RoHS 2011/65/EU	CALIBRATION	
Shunt Calibration Value 100 kOhm CONFORMITY RoHS 2011/65/EU	Calibration Test Excitation	10 VDC
CONFORMITY RoHS 2011/65/EU	Calibration (std)	5-pt Compression
RoHS 2011/65/EU	Shunt Calibration Value	100 kOhm
	CONFORMITY	
CE EN55011:2009; EN61326-1:2006	RoHS	2011/65/EU
	CE	EN55011:2009; EN61326-1:2006





RøHS



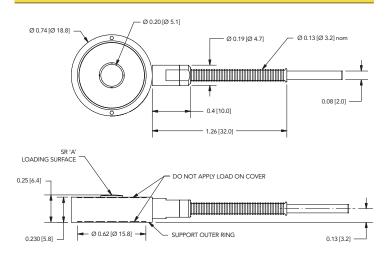




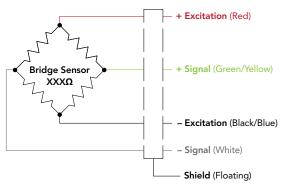


Model LLB300

DIMENSIONS inches [mm]



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



CAPACITIES				
ITEM #	lb	N	Deflection (in)	Natural Frequency (kHz)
FSH03939	25	111	0.0007	21
FSH03954	50	222	0.0003	34
FSH03955	100	445	0.0007	34
FSH03938	250	1112	0.0004	52
FSH03953	500	2224	0.0007	52
FSH03937	1000	4448	0.001	58

Drawing Number: FI1119-F

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