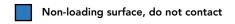




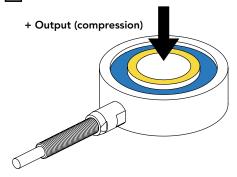
FEATURES

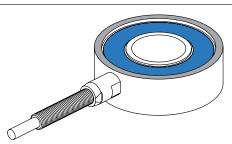
- Fast response time
- Robust strain relief
- Compatible in load washer applications
- Offered in a variety of capacities and inner diameters
- Low power consumption



Active End

Fixed End





steresis ±0 Inrepeatability ±0 I	0.5% of RO 0.5% of RO 0.5% of RO 5 mV/V (100 lb) mV/V (250–5000 lb) nom 8 max 00 Ohm nom 500 MOhm @ 50 VDC	
steresis ±0 Inrepeatability ±0 I	0.5% of RO 0.5% of RO 5 mV/V (100 lb) mV/V (250–5000 lb) nom 3 max 00 Ohm nom	
ECTRICAL ted Output (RO) citation (VDC or VAC) dge Resistance ulation Resistance ring/Connector Code ECHANICAL pacities 10 ECTRICAL 1. 2 1. 2 1. 2 1. 2 1. 2 1. 2 1. 2 1. 2 1. 2 1. 2 1. 2 1. 2 1. 2 1. 3 1.	0.5% of RO 5 mV/V (100 lb) mV/V (250–5000 lb) nom 3 max 00 Ohm nom	
ted Output (RO) 1. 2 citation (VDC or VAC) dge Resistance vulation Resistance ring/Connector Code ECHANICAL pacities 1. 2 Te 1. 2 Te 1. 2 1. 2 1. 2 1. 2 1. 3 1. 3 1. 3 1. 4 1. 4 1. 5 1. 6	5 mV/V (100 lb) mV/V (250–5000 lb) nom 3 max 00 Ohm nom	
ted Output (RO) 1. 2 citation (VDC or VAC) 18 dge Resistance 70 ulation Resistance 25 nnection #2 ring/Connector Code ECHANICAL pacities 10	mV/V (250–5000 lb) nom 3 max 00 Ohm nom	
2 citation (VDC or VAC) dge Resistance 70 ulation Resistance 25 nnection #2 ring/Connector Code ECHANICAL pacities 26 16 16	mV/V (250–5000 lb) nom 3 max 00 Ohm nom	
dge Resistance ulation Resistance = 15 nnection #2 ring/Connector Code ECHANICAL pacities 10 10	00 Ohm nom	
ulation Resistance pring/Connector Code ECHANICAL pacities 25 #2 #2 #2 #2 #2 #3 #4 #4 #4 #4 #4 #4 #4 #4 #4		
nnection #2 Te ring/Connector Code W ECHANICAL pacities 10	500 MOhm @ 50 VDC	
ring/Connector Code W ECHANICAL pacities 10		
Pacities 10	24 AWG, 4 conductor, braided shielded eflon cable, 10 ft [3 m] long	
pacities 10	/C1	
10		
	00 lb [445 N], 250 lb [1112 N], 500 lb [2224 N], 000 lb [4448 N], 2000 lb [8896 N], 000 lb [13345 N], 5000 lb* [22240 N]*	
eight (approximate) 3.	5 oz [99 g]	
fe Overload 15	50% of RO	
flection 0.	002 in [0.05 mm] nom	
iterial 17	17-4 PH stainless-steel	
Rating IP	64	
MPERATURE		
perating Temperature -6	0 to 200°F (-50 to 93°C)	
mpensated Temperature 60	0 to 160°F (15 to 72°C)	
mperature Shift Zero ±0	0.005% of RO/°F (0.01% of RO/°C)	
mperature Shift Span ±0	0.005% of Load/°F (0.01% of Load/°C)	
LIBRATION		
libration Test Excitation 10) VDC	
libration (standard) 5-	pt Compression	
	50 kOhm (100 lb)	
DNFORMITY	00 kOhm (500–5000 lb)	
HS 20	00 kOhm (500–5000 lb)	
Eſ	00 kOhm (500–5000 lb) 011/65/EU	

^{*}Commonly stocked capacities











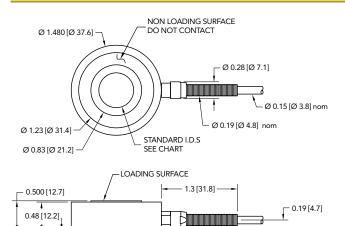


Model LTH350

DIMENSIONS inches [mm]

0.02 [0.5]

SUPPORT OUTER RING



INNER DIAMETER	
ID	Dimension $^{+0.01}_{-0.00} \begin{bmatrix} +0.25\\ -0.00 \end{bmatrix}$
1/4	0.259 [6.58]
5/16	0.322 [8.18]
3/8	0.384 [9.75]
7/16	0.447 [11.35]
1/2*	0.509 [12.93]
9/16	0.572 [14.53]
5/8*	0.634 [16.10]

0.4 [10.4]

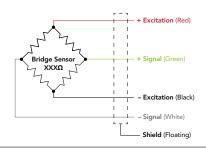
APPLY LOAD

ON COVER

1.32 [33.4] -

Note: While torquing bolts, high tension forces will occur during installation, which could result in overloading the sensor. FUTEK recommends connecting the sensor to a system in order to monitor the applied forces. FUTEK is not liable or responsible for the mishandling of the sensor during installation.

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



CAPACITIES	5		
ITEM #	lb	N	ID
FSH04309	500	2224	1/4 in [6.35 mm]
FSH04310	5000	22240	1/4 in [6.35 mm]
FSH04308	5000	22240	5/16 in [7.94 mm]
FSH04303	100	445	3/8 in [9.53 mm]
FSH04304	250	1112	3/8 in [9.53 mm]
FSH04305	500	2224	3/8 in [9.53 mm]
FSH04306	1000	4448	3/8 in [9.53 mm]
FSH04307	2000	8896	3/8 in [9.53 mm]
FSH04183	5000	22240	3/8 in [9.53 mm]
FSH04302	100	445	7/16 in [11.1 mm]
FSH04184	500	2224	1/2 in [12.7 mm]
FSH04185	1000	4448	1/2 in [12.7 mm]
FSH04186	2000	8896	1/2 in [12.7 mm]
FSH04187	3000	13345	1/2 in [12.7 mm]
FSH04188	5000	22240	1/2 in [12.7 mm]
FSH04189	1000	4448	9/16 in [14.29 mm]
FSH04190	2000	8896	9/16 in [14.29 mm]
FSH04191	3000	13345	9/16 in [14.29 mm]
FSH04192	5000	22240	9/16 in [14.29 mm]
FSH04193	100	445	5/8 in [15.88 mm]
FSH04194	250	1112	5/8 in [15.88 mm]
FSH04195	500	2224	5/8 in [15.88 mm]
FSH04196	1000	4448	5/8 in [15.88 mm]
FSH04197	2000	8896	5/8 in [15.88 mm]
FSH04198	3000	13345	5/8 in [15.88 mm]
FSH04199	5000	22240	5/8 in [15.88 mm]

Drawing Number: FI1443

FUTEK reserves the right to modify its design and specifications without notice. Please visit www.futek.com/salesterms for complete terms and conditions.

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^{*}Commonly stocked inner diameters