



## **FEATURES**

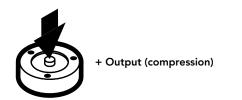
- Ultra low deflection
- Robust strain relief
- 17-4 PH stainless-steel construction
- For use in compression
- Utilizes metal foil strain gauge technology
- Adheres to RoHS directive 2011/65/EU











PERFORMANCE         Nonlinearity       See chart on next page         Hysteresis       See chart on next page         Nonrepeatability       ±0.05% of RO         ELECTRICAL       Rated Output (RO)       2 mV/V nom (100 to 2000 lb), 2.5 mV/V nom (2500 lb)         Excitation (VDC or VAC)       18 max         Bridge Resistance       740 Ohm nom         Insulation Resistance       ≥500 MOhm ⊕ 50 VDC         Connection       #26 AWG, 4 conductor, braided shielded Teflon cable 10 ft [3 m] long         Wiring/Connector Code       WC1         MECHANICAL       Weight (approximate)       3.7 oz [102 g]         Safe Overload       150% of RO         Deflection       0.001 in [0.025 mm] nom         Material       17-4PH 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       10 VDC         Calibration Test Excitation       10 VDC         Calibration (standard)       5-pt Compress	SPECIFICATIONS		
Hysteresis See chart on next page  Nonrepeatability ±0.05% of RO  ELECTRICAL  Rated Output (RO) 2 mV/V nom (100 to 2000 lb), 2.5 mV/V nom (2500 lb)  Excitation (VDC or VAC) 18 max  Bridge Resistance 740 Ohm nom  Insulation Resistance 2500 MOhm @ 50 VDC  Connection #26 AWG, 4 conductor, braided shielded Teflon cable 10 ft [3 m] long  Wiring/Connector Code WC1  MECHANICAL  Weight (approximate) 3.7 oz [102 g]  Safe Overload 150% of RO  Deflection 0.001 in [0.025 mm] nom  Material 17-4PH stainless-steel  IP Rating IP64  TEMPERATURE  Operating Temperature 60 to 160°F [15 to 72°C]  Temperature Shift Zero ±0.01% of RO/°F [0.018% of RO/°C]  CALIBRATION  Calibration Test Excitation 10 VDC  Calibration Standard) 5-pt Compression  Shunt Calibration Value 100 KOhm, 87.325 KOhm (2500 lb)  CONFORMITY  ROHS			
Nonrepeatability         ±0.05% of RO           ELECTRICAL           Rated Output (RO)         2 mV/V nom (100 to 2000 lb), 2.5 mV/V nom (2500 lb)           Excitation (VDC or VAC)         18 max           Bridge Resistance         740 Ohm nom           Insulation Resistance         ≥500 MOhm @ 50 VDC           Connection         #26 AWG, 4 conductor, braided shielded Teflon cable 10 ft [3 m] long           Wiring/Connector Code         WC1           MECHANICAL         WC1           Weight (approximate)         3.7 oz [102 g]           Safe Overload         150% of RO           Deflection         0.001 in [0.025 mm] nom           Material         17-4PH stainless-steel           IP Rating         IP64           TEMPERATURE         Operating 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         5-pt Compression           Shunt Calibration Value         100 kOhm, 87.325 kOhm (2500 lb)           CONFORMITY           ROHS         2011/65/EU	Nonlinearity	See chart on next page	
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Rated Output (RO)  2 mV/V nom (100 to 2000 lb), 2.5 mV/V nom (2500 lb)  Excitation (VDC or VAC)  18 max  Pridge Resistance  740 Ohm nom  Insulation Resistance  ≥500 MOhm @ 50 VDC  Connection  #26 AWG, 4 conductor, braided shielded Teflon cable 10 ft [3 m] long  Wiring/Connector Code  WC1  MECHANICAL  Weight (approximate)  3.7 oz [102 g]  Safe Overload  150% of RO  Deflection  0.001 in [0.025 mm] nom  Material  17-4PH 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)  Shunt Calibration Value  CONFORMITY  RoHS  2011/65/EU	Nonrepeatability	±0.05% of RO	
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CONFORMITY RoHS 2011/65/EU	Calibration (standard)	5-pt Compression	
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	CONFORMITY		
CE EN55011:2009; EN61326-1:2006	RoHS	2011/65/EU	
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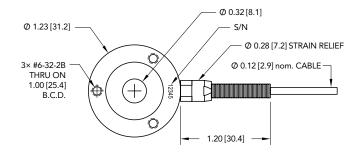


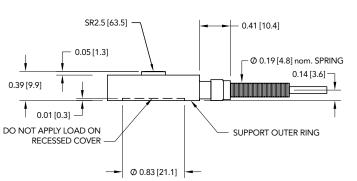




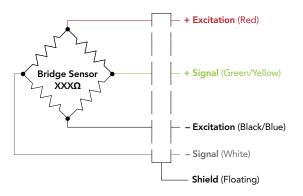


## **DIMENSIONS** inches [mm]





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



CAPACITIES					
ITEM #	lb.	N	Nonlinearity % of RO	<b>Hysteresis</b> % of RO	Natural Frequency (kHz)
FSH03889	100	445	±0.15	±0.15	12.3
FSH03890	250	1112	±0.15	±0.15	18
FSH03891	500	2224	±0.25	±0.25	24
FSH03892	1000	4448	±0.25	±0.25	29.9
FSH03893	2000	8896	±0.35	±0.35	30.7
FSH03894	2500	11120	±0.50	±0.50	31.8







## SCIGATE AUTOMATION (S) PTE LTD

## Drawing Number: FI1055-G

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