Model Number 4105-01A	RO	TARY TRANS	FORME	R TORQUE SENSOR		evision: F CN #: 52623
	ENGLISH		-	OPTIONAL VERS		CN #. 52025
Performance		SI	[4]	Optional versions have identical specifications and access		andard model exce
Measurement Range(Full Scale Capacity)	5,000 in-lb	565 Nm	[1]	where noted below. More than one	option may be used.	
Sensitivity(output at rated capacity)	2.5 mV/V	2.5 mV/V	[1][2]		, ,	
Non-Linearity	≤ 0.05 % FS	≤ 0.05 % FS	[2]			
Hysteresis	≤ 0.05 % FS	≤ 0.05 % FS	[2]			
Non-Repeatability	≤ 0.02 % FS	≤ 0.02 % FS	[2]			
Environmental	20102 /010	2 0.02 /010	[-]			
Overload Limit	6,000 in-lb	675 Nm				
Temperature Range(Operating)	-65 to 170 °F	-54 to 77 °C				
Temperature Range(Compensated)	+70 to +170 °F	+21 to 77 °C				
Temperature Effect on Output(Maximum)	± .002 %Reading/°F	± .0036 %Reading/°C	[3]			
Temperature Effect on Zero	± .002 %FS/°F	± .0036 %FS/°C	[3][2]			
Balance(Maximum)	-					
Electrical						
	350.01	359.01	C 4 3			
Bridge Resistance	350 Ohm	350 Ohm	[1]			
Excitation Frequency	3.28 kHz	3.28 kHz				
Excitation Voltage	2 to 10 VAC rms	2 to 10 VAC rms	[4]			
Bridge Current(at 5 VAC)	50 mA	50 mA				
nsulation Resistance	> 5,000 MOhm	> 5,000 MOhm				
Zero Balance	≤ 2 % FS	≤ 2 % FS	[2]			
	≥ ∠ 70 F3	≥ 2 % F3	[2]			
Physical						
Size (Shaft Length x Housing Length x	12.75 in x 7.25 in x 4.75 in	323.9 mm x 184.2 mm x 120	0.7[5]			
Housing Height)		mm				
Veight	30 lb	13.6 kg				
lounting	1.50 in Dia. Keyed Shaft	38.1 mm Dia. Keyed Shaf	t			
ensing Element	Strain Gage	Strain Gage	-			
lousing Material	Black Oxided Steel	Black Oxided Steel				
haft Material	Steel	Steel				
lectrical Connector	MS3102A-14S-5P	MS3102A-14S-5P				
Torsional Stiffness	700 kin-lb/radian	79.1 kN-m/radian				
Rotating Inertia	0.0084 in-lb/sec2	0.001 N-m/sec2				
Maximum Speed	12,000 RPM	12,000 RPM				
CE ^[6]				 [1]Nominal. [2]FS - Full Scale. [3]Over compensated operating temperature range. [4]Recommended 10 VAC RMS. [5]See Outline Drawing 31121 for Complete Dimensions [6]See PCB Declaration of Conformance PS062 for details SUPPLIED ACCESSORIES: Model 180-019A 5-socket mating connector for Series 311 Model 8113-105A Relay activated precision shunt calibration)0, 4100, 4200 torque s	ensors (1)
				A PCB FIEZOTRONICS DIV. 24350	Approved: JM Date: 06/10/2022 Dad & Torque A Div ronics Indoplex Circle Fai WI 48335	
Il specifications are at room temperature on the interest of constant product improver in the interest of constant product improves in the interest of constant product product improves in the interest of constant product p		hange specifications without	notice.	UNITE Phone E-Mai	D STATES : 866-684-7107 : LTSales@pcb.com ite: www.pcb.com/	