

Model Number 039001-01103		ROTARY TORQUE, W/AUTO ID			Revision: NR ECN #: 38721	
Performance		ENGLISH	SI		OPTIONAL VERSIONS	
Measurement Range(Full Scale Capacity)		7376 lbf-ft	10 kNm		Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.	
Sensitivity(output at rated capacity)		2.0 mV/V	2.0 mV/V	[5]		
Non-Linearity		≤ 0.25 % FS	≤ 0.25 % FS	[2]		
Hysteresis		≤ 0.25 % FS	≤ 0.25 % FS	[2]		
Non-Repeatability		≤ 0.05 % FS	≤ 0.05 % FS	[2]		
Interchangeability		≤ 0.30 % FS	≤ 0.30 % FS	[6][2]		
Environmental						
Overload Limit		8851 lbf-ft	12 kNm			
Temperature Range(Operating)		0 to +200 °F	-18 to +93 °C			
Temperature Range(Compensated)		+70 to +150 °F	+21 to +66 °C			
Temperature Effect on Output(Maximum)		± 0.002 %Reading/°F	± 0.0018 %Reading/°C	[4]		
Temperature Effect on Zero Balance(Maximum)		± 0.002 %FS/°F	± 0.0018 %FS/°C	[4]		
Electrical						
Bridge Resistance		350 Ohm	350 Ohm			
Excitation Voltage		10 VDC	10 VDC	[1]		
Insulation Resistance		≥ 5 GOhm	≥ 5 GOhm			
Zero Balance		≤ 2 % FS	≤ 2 % FS	[2]		
Shunt Calibration		≤ 0.25 % FS	≤ 0.25 % FS	[3][2]		
Auto ID		TTL Proprietary	TTL Proprietary			
Physical						
Size (Shaft Length x Housing Length x Housing Height)		5.50 in x 2.63 in x 4.88 in	139.7 mm x 66.8 mm x 123.9 mm	[7]		
Weight		7.5 lb	3402 gm			
Mounting		1.50 inch Sq Drive	38.1 mm Sq Drive	[8]		
Sensing Element		Strain Gage	Strain Gage			
Housing Material		Aluminum	Aluminum			
Shaft Material		Steel	Steel			
Electrical Connector		PT02H-12-10P	PT02H-12-10P			
Maximum Speed		750 RPM	750 RPM			
						
[9]						
All specifications are at room temperature unless otherwise specified. In the interest of constant product improvement, we reserve the right to change specifications without notice.						