

MINATURE REACTION TORQUE (RT) SERIES TORQUE TRANSDUCERS

FEATURES

- Compact Size
- Accuracy-.1% of Rated Output
- Capacities from 25 to 500 lbf-in.
- Integral Cable
- 5pt CW and CCW Calibration
- Proprietary Modulus Compensated Strain Gages
- Metric Capacities Available - Consult Factory



SPECIFICATIONS

Model	RT
Capacity U.S. lbf-in.	25, 50, 100, 200, 250, 500
PARAMETERS	
ACCURACY	
Nonlinearity, % Rated Output	+/-0.100
Hysteresis, % Rated Output	+/-0.100
Nonrepeatability, % Rated Output	+/-0.050
Creep, % in 20 minutes	+/-0.100
TEMPERATURE	
Range, Compensated, °F	+15 to +115
Range, Compensated, °C	-10 to +45
Range, Operating, °F	-65 to +200
Range, Operating, °C	-55 to +90
Effect on Sensitivity, % Rdg/ °F	+/-0.0010
Effect on Sensitivity, % Rdg/ °C	+/-0.0018
Effect on Zero, % Rated Output/ °F	+/-0.0020
Effect on Zero, % Rated Output/ °C	+/-0.0036
ELECTRICAL	
Rated Output, mV/V, Nominal	2
Excitation Voltage, VDC Maximum	15
Input Resistance, Ohms	350
Output Resistance, Ohms	350
Insulation Resistance, Megohm	5000
MECHANICAL	
Safe Overload Range, % Rated Capacity	+/-150
Weight lb	0.15
Flexure Material	Aluminum
Overhung Moment, lbf-in Maximum	12.5, 25, 50, 100, 125, 250

DIMENSIONS

Model	RT
Capacity	25, 50, 100, 200, 250, 500
Dimensions	
	inch
1.	1.00
2.	R 1.54
3.	1.64
4.	1.38
5.	1.00
6.	10-32 UNF 2B
7.	.125 +/- .0005
8.	.251 +/- .001 Thru
9.	10 ft Conductor Cable with Pig Tails

