

# REACTION TORQUE



## MRT, MRT2, MRTP, MRT2P

- Capacities from 0.2 to 50 Nm (1.77 to 443 lb-in)
- Proprietary Interface temperature compensated strain gages
- Low deflection
- Low capacity
- Eliminates bearing friction effects
- Excellent linearity & repeatability
- Overload protected (MRTP, MRT2P)



## TS11 FLANGE

- Capacities from 10 to 20K Nm (88.5 to 177K lb-in)
- High torsional stiffness
- Extraneous load resistance
- Compact size



## 5400 FLANGE

- Capacities from 500 to 500K lb-in (56 to 55K Nm)
- High torsional stiffness
- High resistance to bending moments



## TS12 SHAFT

- Capacities from 0.005 to 20K Nm (0.04 to 177K lb-in)
- High torsional stiffness
- Extraneous load resistance
- Compact size



## 1216 & 2816 AXIAL TORSION

- Capacities from 250/125 lbf to 2K/1K lb-in
- Measures load and torque
- Minimal crosstalk
- Extraneous load resistance
- Fatigue rated



**interface**

ADVANCED FORCE MEASUREMENT

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# interface

ADVANCED FORCE MEASUREMENT

## ROTARY & REACTION TORQUE AND INSTRUMENTATION



# ROTARY TORQUE & INSTRUMENTATION



## T2 PRECISION ROTARY • T4 GENERAL PURPOSE • T6 DUAL RANGE\*

- Capacities from 0.1 Nm to 20K Nm (0.88 to 177K lb-in)
- $\pm 5$  or  $\pm 10$  VDC outputs • 12 to 28 VDC supply
- Stainless steel shaft • Digital electronics
- Angle & speed option • 200% safe overload
- Bandwidth 3 kHz - 3 dB
- 16-bit resolution (T4 12-bit)



## T3 PRECISION ROTARY • T5 GENERAL PURPOSE • T7 DUAL RANGE\*

- Capacities from 0.1 Nm to 20K Nm (0.88 to 177K lb-in)
- $\pm 5$  or  $\pm 10$  VDC outputs • 12 to 28 VDC supply
- Stainless steel shaft • Digital electronics • Integral base
- Angle & speed option • 200% safe overload
- Bandwidth 3 kHz - 3 dB
- 16-bit resolution (T5 12-bit)



## T12 SQUARE DRIVE

- Capacities from 0.10 Nm to 5K Nm (0.88 to 44K lb-in)
- $\pm 5$  VDC output • Digital electronics
- Stainless steel shaft • 12 to 28 VDC supply
- Angle & Speed option • 0.1% or 0.25% combined error
- 16 or 12-bit resolution



## RT12E 2X & RT10E 4X

- 25 to 4,000,000 lb-in • Rotary Transformer Coupling
- Immunity to EMI • 15-5PH stainless steel shaft
- mV,  $\pm 5$  VDC, or  $\pm 10$  VDC outputs
- Up to 4X overload rated • Performance to 0.07%



## T8 LC TORQUE

- Capacities from 0.3 Nm to 200 Nm (1.77 to 1.77K lb-in)
- Stainless steel shaft •  $\pm 5$  VDC output
- 12 to 28 VDC supply • Low cost
- Integral cable

## T11 BEARINGLESS

- Capacities from 0.005 Nm to 150 Nm (0.04 to 1,327 lb-in)
- Bearingless • High speed
- $\pm 5$  VDC output • Very low range
- Eliminates bearing friction effects
- 200% safe overload • 10 kHz sample rate
- 16-bit resolution • 0.1% combined error



## T22 PULLEY

- Capacities from 0.10 Nm to 5K Nm (177 to 44K lb-in)
- $\pm 5$  VDC output • Digital electronics
- 10 kHz sample rate • Contactless
- 16-bit resolution



## 9834 TORQUE READOUT

- Works with  $\pm 5$  &  $\pm 10$  VDC, 0-20 & 4-20 mA inputs
- Sample rate 120 readings per second
- 5 digit bipolar LED display
- Nonlinearity  $< \pm 0.01\%$  • Front panel calibration
- Peak & valley monitoring



## 9850 2-CHANNEL ROTARY TORQUE METER

- Torque, Speed, Angle • 2-line backlit LCD Display
- 7-pole 200 Hz anti-alias filter plus 4-pole digital filters
- 3rd channel for HP or other calculated value
- 2 kHz sample rate
- Includes graphing & logging software
- RS232/422/485 serial communication



## HRDT - High Resolution Digital Telemetry Rotary Torque Transducer

- Capacities from 250 to 10K Nm (443 to 88,500 lb-in)
- Full 18-bit useable resolution (24 bit internal)
- 4x safe overload (2x for DIN 90 size)
- Push button configuration - No PC required for basic set-up & installation • Bearingless non-contact design
- 2,000 fully processed results per second
- Short, stiff design with low rotational inertia
- Outputs include fully scalable  $\pm 5$  V,  $\pm 10$  V, 4-20 mA, Frequency, USB

