

COMBINATION TORQUE AND THRUST CELLS

HEAVY-DUTY CONSTRUCTION

TQ601 Series

Combination Torque/Thrust

0 to 100 in-lb/0 to 50 lb

0 to 11 N-m/0 to 225 N

1 N-m = 0.7375 ft-lb

1 ft-lb = 1.356 N-m

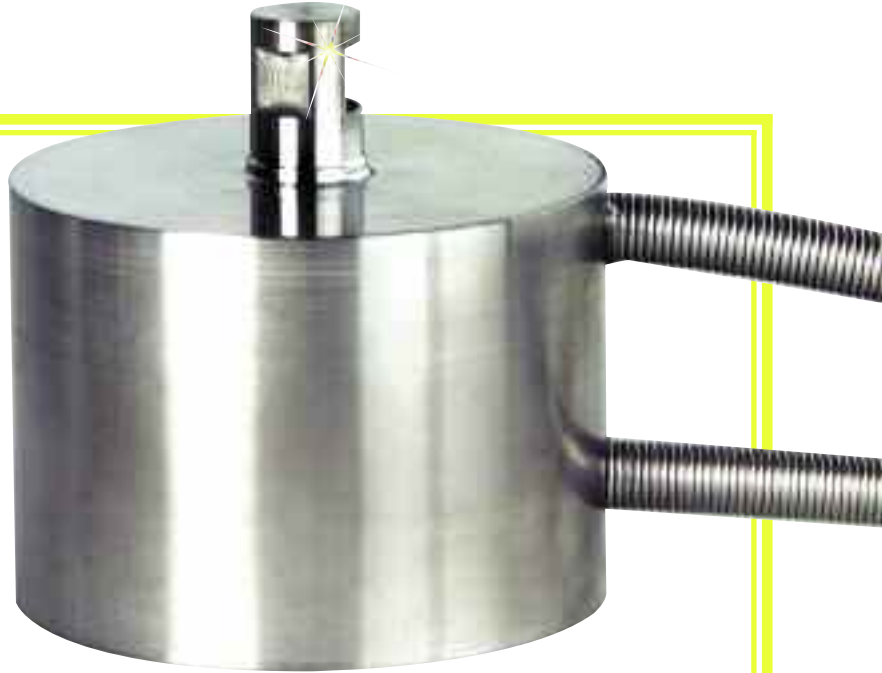
1 N-m = 8.85 in-lb

1 ft-lb = 12 in-lb

All Models

\$1595

TQ601-100/50,
\$1595, shown
larger than
actual size.



Standard

- ✓ All Stainless Steel for Long-Term Reliability in Industrial Environments
- ✓ Protection Class IP65
- ✓ High Accuracy
- ✓ Dual Shielded Cables for Precise Low-Noise Measurements

SPECIFICATIONS

TORQUE CELL

Output: 2 mV/V

Excitation: 10 Vdc, 15V max

Input Resistance: 360 Ω min

Output Resistance: 350 ± 5 Ω

Linearity: ±0.2% FSO

Hysteresis: ±0.10% FSO

Repeatability: ±0.05% FSO

Thermal Effects:

Zero: ±0.005% FSO/°F

Span: ±0.005% rdg/°F

Safe Overload: 150% of capacity

Ultimate Overload: 300% of capacity

THRUST CELL

Output: 2 mV/V

Excitation: 10 Vac/dc, 15V max

Input Resistance: 360 Ω min

Output Resistance: 350 ± 5 Ω

Linearity: ±0.15% FSO

Hysteresis: ±0.10% FSO

Repeatability: ±0.05% FSO

Zero Balance: ±2% FSO

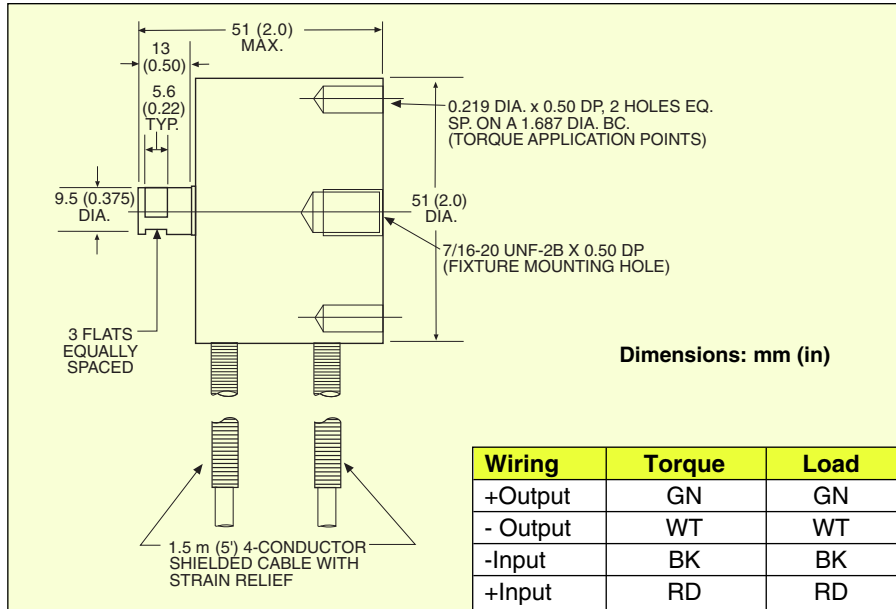
Thermal Effects:

Zero: 0.0025% FSO/°F

Span: 0.005% rdg/°F

Safe Overload: 200% of capacity

Ultimate Overload: 300% of capacity



COMMON SPECIFICATIONS

Operating Temperature: -46 to 107°C (-50 to 225°F)

Compensated Temperature: 16 to 71°C (60 to 160°F)

Construction: Stainless steel

Electrical: Two 1.5 m (5') 4-conductor shielded PVC cables

AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)

RANGE		MODEL NO.	PRICE	COMPATIBLE METERS*
in-lb	lb			
0 to 15	0 to 15	TQ601-15/15	\$1595	DP41-S, DP25B-S
0 to 100	0 to 50	TQ601-100/50	1595	DP41-S, DP25B-S

Comes complete with 5-point calibration. Metric ranges available – consult Engineering.

* Two meters required. See section D for compatible meters.

Ordering Example: TQ601-100/50, dual 100 in-lb torque/50 lb load range combination cell, \$1595.

Recommended Reference Book: Mechanical Engineer's Handbook, ME-0013, \$650. See Section Y for Additional Books.

