

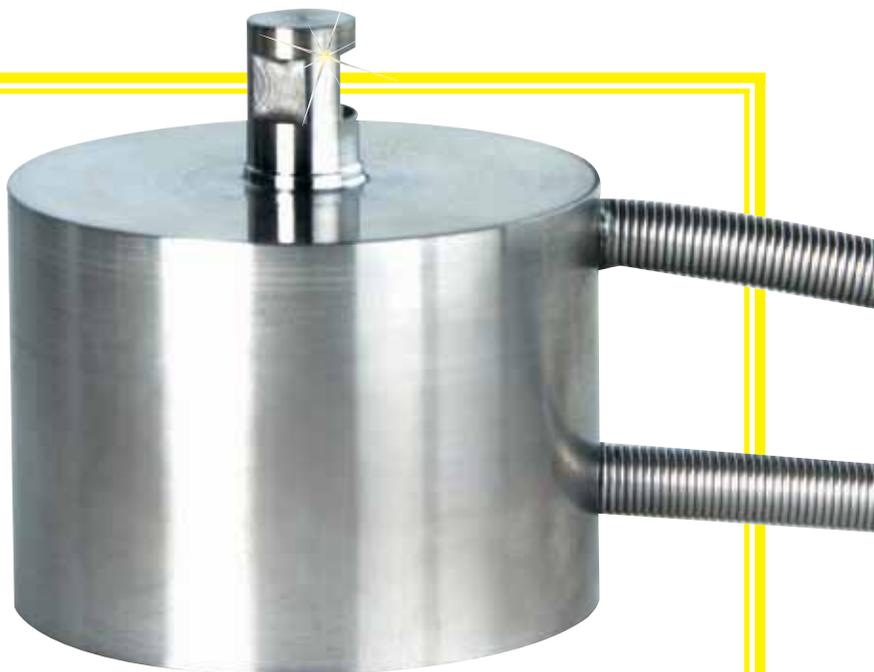
# COMBINATION TORQUE AND THRUST CELLS

## HEAVY-DUTY CONSTRUCTION

**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

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



### TQ601 Series



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 maximum  
**Input Resistance:** 360 Ω minimum  
**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

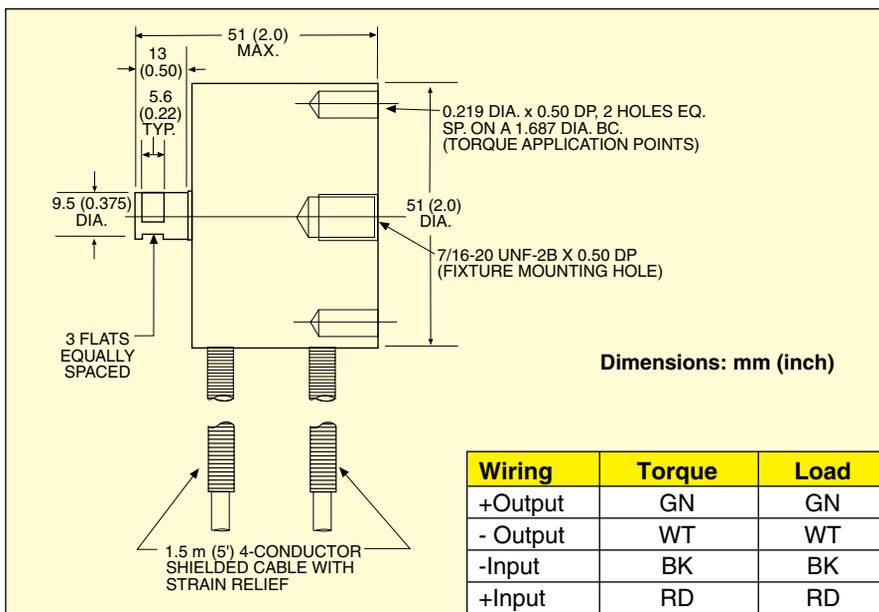
#### THRUST CELL

**Output:** 2 mV/V  
**Excitation:** 10 Vac/dc, 15V maximum  
**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

### To Order

RANGE		MODEL NO.	COMPATIBLE METERS*
in-lb	lb		
0 to 15	0 to 15	<b>TQ601-15/15</b>	DP41-S, DP25B-S
0 to 100	0 to 50	<b>TQ601-100/50</b>	DP41-S, DP25B-S

Comes complete with 5-point calibration. Metric ranges available – consult Engineering.  
 \* Two meters required. Visit us online for compatible meters.

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