

REACTION TORQUE CELLS

SURFACE KEY MOUNT

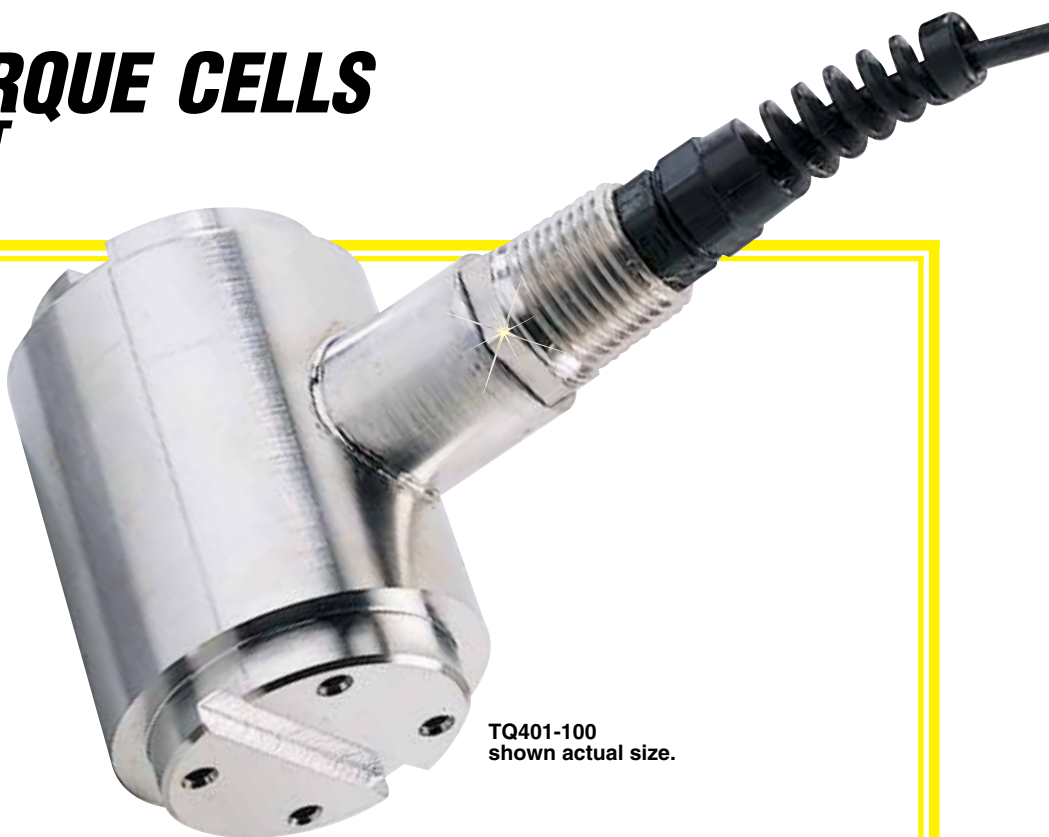
Reaction Torque
0-30 ft-lb to 0-250 ft-lb
0-40 N-m to 0-340 N-m

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

TQ401 Series



Standard



TQ401-100
 shown actual size.

- ✓ All Stainless Steel Case for Long-Term Reliability in Industrial Environments
- ✓ High Accuracy
- ✓ Shielded Cable for Precise Low-Noise Measurements
- ✓ Heavy-Duty Mounting for Positive, Non-Slip Connection

SPECIFICATIONS

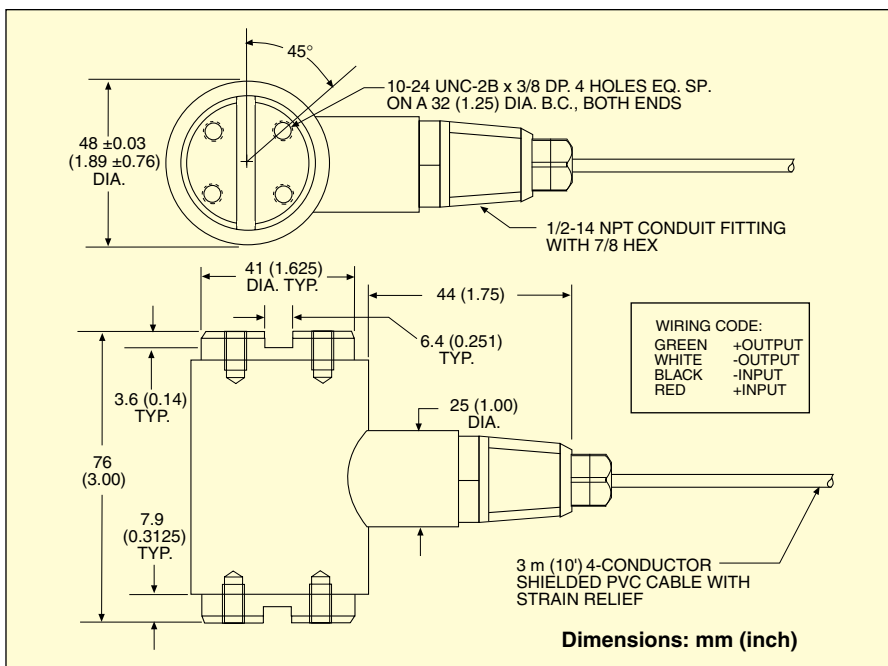
Output: 2 mV/V
Excitation: 10 Vdc, 15V maximum
Input Resistance: 360 Ω minimum
Output Resistance: 350 ± 5 Ω
Accuracy Class: ±0.2% FSO
Linearity: ±0.2% FSO
Hysteresis: ±0.1% FSO
Repeatability: ±0.05% FSO
Zero Balance: ±2% FSO
Operating Temp Range:
 -54 to 107°C (-65 to 225°F)
Compensated Temp Range:
 16 to 71°C (60 to 160°F)

Thermal Effects:

Zero: ±0.005% FSO/°F
Span: ±0.005% rdg/°F

Safe Overload: 150% of capacity
Ultimate Overload: 300% of capacity
Construction: Stainless steel
Protection Class: IP65

Electrical: 3 m (10') 4-conductor, shielded, color-coded PVC cable with strain relief



To Order

RANGE (ft-lb)	MODEL NO.	COMPATIBLE METERS*
0 to 30	TQ401-30	DP41-S, DP25B-S
0 to 100	TQ401-100	DP41-S, DP25B-S
0 to 250	TQ401-250	DP41-S, DP25B-S

Comes complete with 5-point calibration.

* Visit us online for compatible meters. Metric ranges available – consult Engineering.

Ordering Examples: TQ401-30, 30 ft-lb range reaction torque sensor.

TQ401-250, 250 ft-lb range reaction torque sensor.