

# REACTION TORQUE CELLS

## SURFACE KEY MOUNT

### TQ401 Series

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

All Models  
**\$895**



- ✓ 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, 15 V max

Input Resistance: 360 Ω min

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

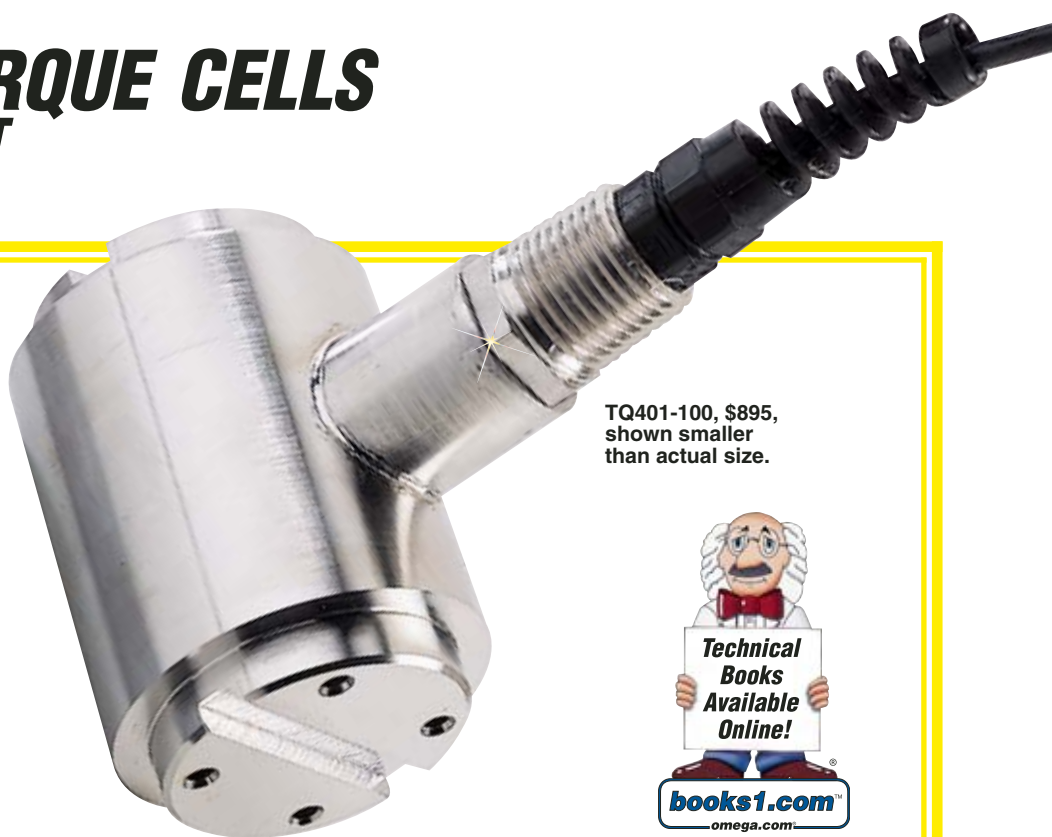
Safe Overload: 150% of capacity

Ultimate Overload: 300% of capacity

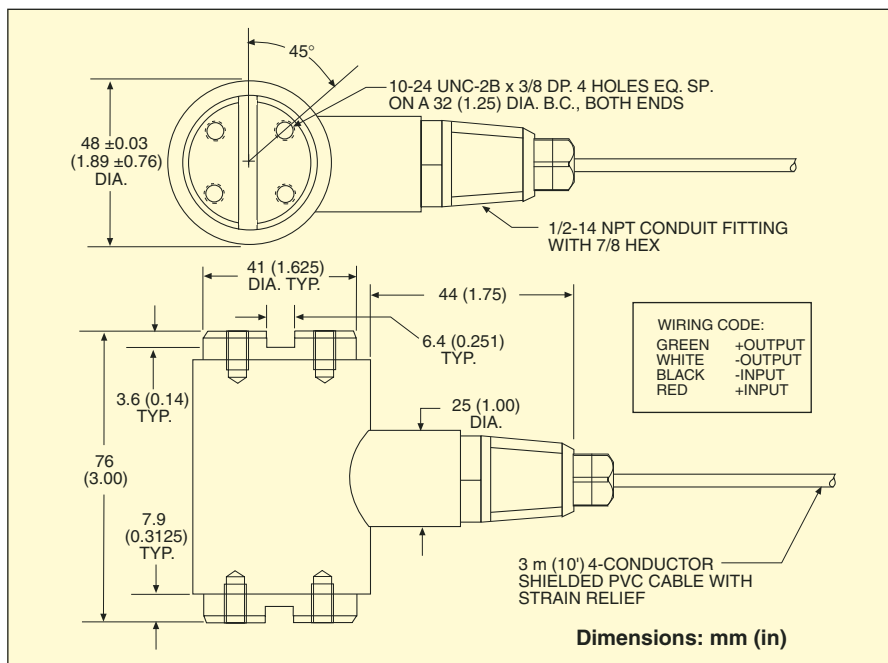
Construction: Stainless steel

Protection Class: IP65

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



TQ401-100, \$895, shown smaller than actual size.



**MOST POPULAR MODELS HIGHLIGHTED!**

### To Order (Specify Model Number)

RANGE (ft-lb)	MODEL NO.	PRICE	COMPATIBLE METERS*
0 to 30	TQ401-30	\$895	DP41-S, DP25B-S
0 to 100	TQ401-100	895	DP41-S, DP25B-S
0 to 250	TQ401-250	895	DP41-S, DP25B-S

Comes with 5-point calibration.

\* See section D for compatible meters.

Metric ranges available – consult Engineering.

Ordering Examples: TQ401-30, 30 in-lb range reaction torque sensor, \$895.

TQ401-250, 250 in-lb range reaction torque sensor, \$895.

### ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
ME-1758	\$95	Reference Book: Strength of Materials and Structures

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