

# REACTION TORQUE CELLS

## SHAFT MOUNT LOW TORQUE RANGE

### STANDARD AND METRIC MODELS

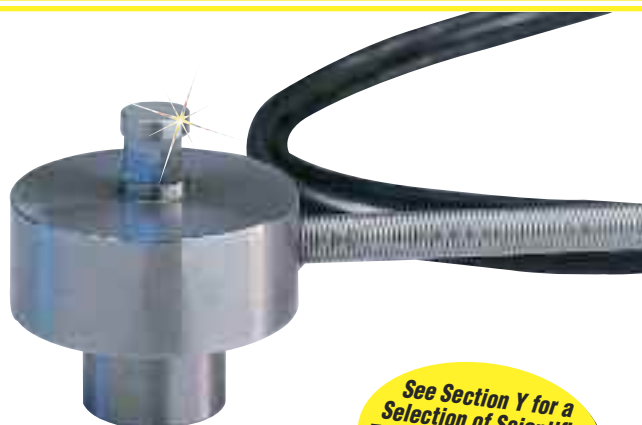
## TQ201/TQM201 Series

Reaction Torque  
0-25 oz-in to 0-1000 in-lb  
0-0.18 N-m to 0-110 N-m

Starts at  
**\$795**



Standard



TQ201-100, \$795, shown actual size.

See Section Y for a Selection of Scientific, Technical, and Reference Books Available from [omega.com](http://omega.com)

- ✓ 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

OMEGA's TQ201/TQM201 Series comprises in-line mount reaction torque sensors. They are designed to be mounted to the torque-producing element for measuring the starting torque of motors.

### SPECIFICATIONS

Output: 2 mV/V

Excitation: 10 Vdc, 15V max

Input Resistance: 350 Ω min

Output Resistance: 350 Ω min

Accuracy Class: ±0.2% FSO

Linearity: ±0.15% FSO

Hysteresis: ±0.10% FSO

Repeatability: ±0.03% 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

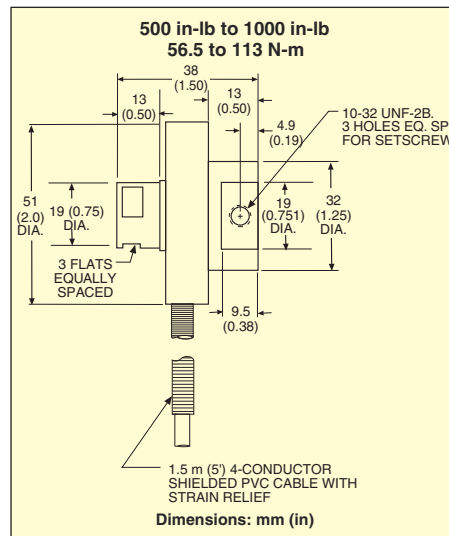
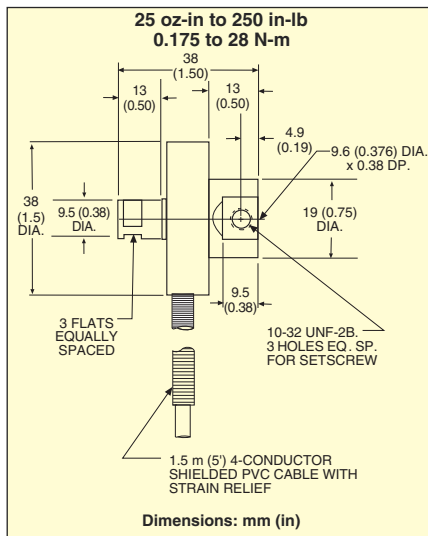
Safe Overload: 150% of capacity

Ultimate Overload: 300% of capacity

Construction: Stainless steel

Protection Class: IP65

Electrical: 1.5 m (5') 4-conductor shielded PVC cable with strain relief



**MOST POPULAR MODELS HIGHLIGHTED!**

### To Order (Specify Model Number)

STANDARD RANGE	STANDARD MODEL NO.	METRIC RANGE	METRIC MODEL NO.	PRICE	COMPATIBLE METERS*
0 to 25 oz-in	TQ201-25Z	0 to 0.175 N-m	TQM201-0.175	\$895	DP41-S, DP25B-S
0 to 30 oz-in	TQ201-30Z	0 to 0.20 N-m	TQM201-0.2	895	DP41-S, DP25B-S
0 to 100 oz-in	TQ201-100Z	0 to 0.70 N-m	TQM201-0.7	795	DP41-S, DP25B-S
0 to 120 oz-in	TQ201-120Z	0 to 0.85 N-m	TQM201-0.85	795	DP41-S, DP25B-S
0 to 150 oz-in	TQ201-150Z	0 to 1.0 N-m	TQM201-1	795	DP41-S, DP25B-S
0 to 200 oz-in	TQ201-200Z	0 to 1.4 N-m	TQM201-1.4	795	DP41-S, DP25B-S
0 to 25 in-lb	TQ201-25	0 to 2.8 N-m	TQM201-2.8	795	DP41-S, DP25B-S
0 to 50 in-lb	TQ201-50	0 to 5.6 N-m	TQM201-5.6	795	DP41-S, DP25B-S
0 to 100 in-lb	TQ201-100	0 to 11 N-m	TQM201-11	795	DP41-S, DP25B-S
0 to 250 in-lb	TQ201-250	0 to 28 N-m	TQM201-28	795	DP41-S, DP25B-S
0 to 500 in-lb	TQ201-500	0 to 56.5 N-m	TQM201-56.5	795	DP41-S, DP25B-S
0 to 1000 in-lb	TQ201-1K	0 to 113 N-m	TQM201-113	795	DP41-S, DP25B-S

Comes complete with 5-point calibration.

\* See section D for compatible meters.

Ordering Examples: TQ201-30Z, 30 oz-in range reaction torque sensor, \$895.

TQ201-250, 250 in-lb range reaction torque sensor, \$795.

LOAD CELLS **F**