

Interchangeable with
Model TH-TLC

SPEC SHEET
TQ601

COMBINATION TORQUE CELL AND THRUST CELL

Heavy Duty Construction

\$1595

Model Shown

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 Stainless Steel for Long Term Reliability in Industrial Environments
- ☑ High Accuracy
- ☑ Dual Shielded Cables for Precise Low Noise Measurements

SPECIFICATIONS:

TORQUE CELL

Output: 2.0 mV/V

Excitation: 10 Vac/dc, 15 V max

Input Resistance: 360 ohms min.

Output Resistance: 350 ohms ±5

Accuracy Class: 0.25%

Linearity: ±0.2% FSO

Hysteresis: ±0.10% FSO

Repeatability: ±0.05% FSO

Thermal Effects:

Zero: 0.005% FSO/°F

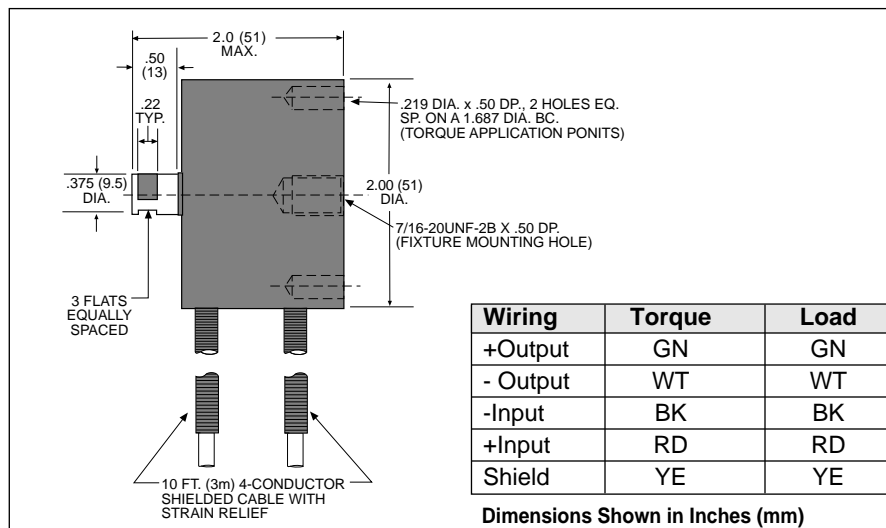
Span: 0.005% Rdg/°F

Safe Overload: 150% of Capacity

Ultimate Overload: 300% of Capacity



Model TQ601-100/50
Shown Smaller than Actual Size



THRUST CELL

Output: 2.0 mV/V

Excitation: 10 Vac/dc, 15 V max

Input Resistance: 360 ohms min.

Output Resistance: 350 ohms ±5

Accuracy Class: 0.25%

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 (2) 10 ft (3m)

4-conductor shielded PVC Cables

For Sales and Service
In U.S.A. and Canada

1-800-872-3963SM
1-800-USA-DYNE

International Customers Dial

(614) 965-9340

24-Hour FAX (614) 965-9438

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T-HYDRONICS, INC.

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► Most Popular Models Highlighted ◀

Prices Shown in U.S. Dollars

| To Order: (Specify Model Number) | | | | |
|----------------------------------|------|--------------|--------|-------------------|
| Range | | Model Number | Price | Compatible Meters |
| in-lb | lb | | | |
| 0-100 | 0-50 | TQ601-100/50 | \$1595 | INFS, INFCS |

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Metric Ranges Available - Consult Engineering

Ordering Examples: 1.) TQ601-100/50 is a dual 100 in-lb torque/50 lb load range combination cell, \$1595.

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