# **Miniature Reaction Torque Transducers**

Models QWFK-8M and QWLC-8M

**COMPACT SIZE** 

HIGH FREQUENCY

### 0.1% LINEARITY



Model QWFK-8M

**Model QWLC-8M** 

Models QWFK-8M and QWLC-8M Miniature Reaction Torque Transducers are engineered for minimum size and to achieve an impressive 0.1% maximum non-linearity. Four bonded strain gages are positioned on a special machined portion of the transducer to effectively measure even slight torque motion. These models operate and are calibrated in both directions. A modular, stainless steel construction and no moving parts provide excellent durability under harsh industrial conditions. Typical miniature reaction torque transducer applications include motor dynamometer, tire braking, twist measurement, torque tables, and friction-skid test measurements.

**Model QWFK-8M** 

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# **ENVIRONMENTAL**

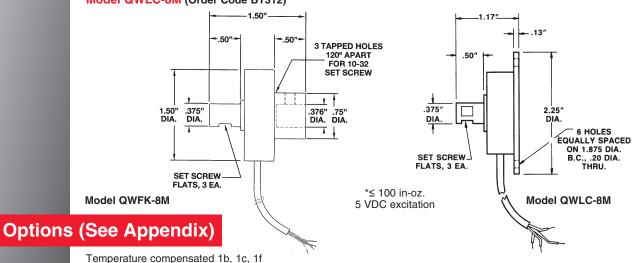
#### **ELECTRICAL**

#### **MECHANICAL**

	Model Will It om	Model WILD ON
Torque Ranges	25 inoz. to 300 inlb. ±0.1% F.S. ±0.1% F.S. ±0.03% F.S. 2mV/V	25 inoz to 300 inlb. ±0.1% F.S. ±0.1% F.S. ±0.03% F.S. 2mV/V
Resolution	Infinite	Infinite
Temperature, Operating Temperature, Compensated Temperature Effect	-65° F to 225° F 60° F to 160° F	-65° F to 225° F 60° F to 160° F
- Zero (max) - Span (max)	.005% F.S./° F .005% Rdg./° F	.005% F.S./° F .005% Rdg./° F
Strain Gage Type	Bonded foil 10VDC* 350 ohms #1 (See Pg. AP-8) Teflon cable (5 ft.)	Bonded foil 10VDC* 350 ohms #1 (See Pg. AP-8) Teflon cable (5 ft.)
Overload Safe  Case Material  Deflection—Torsional	50% over capacity Stainless steel	50% over capacity Stainless steel
25 inoz-50 inlb	.0027 radians .00255 radians	.0027 radians .00255 radians

### **Dimensions**

Model QWFK-8M (Order Code BT311) Model QWLC-8M (Order Code BT312)



Premium Options: 1d. 1e

TQ-9