AT103 AXIAL TORSION FORCE & TORQUE TRANSDUCER (U.S. & METRIC)

FEATURES & BENEFITS

- Capacities: Force kN(lbf) / Torque Nm(lbf-in) – 10(2.25K) / 10(88.5), 20(4.5K) / 20(177)
- Compact design
- Bottom cable exit

SPECIFICATIONS

ACCURACY – (MAX ERROR)		
Nonlinearity – Torque %FS		± 0.2
Hysteresis – Torque %FS		± 0.2
Non-repeatability – %RO		± 0.08
Crosstalk – %FS		< 1
Creep, in 30 min – %		± 0.1
TEMPERATURE		
Effect on Zero – %RO / ºC		± 0.02
Effect on Output – % / ºC		± 0.02
Compensated Range	°C	0 to +100
	°F	+32 to +212
Operating Range	°C	-30 to +120
	°F	-22 to +248
ELECTRICAL		
Output – mV/V ± %		1 ±0.5
Excitation Voltage – VDC		2-12
Bridge Resistance – Ohm		350
Electrical Connection	m	2 cables (3 each)
	ft	2 cables (9.8 each)
MECHANICAL		
Safe Overload – %RO		150
IP Rating		IP40
Material		Alloy steel

STANDARD CONFIGURATION

Model AT103 (shown)

U.S. dimensions and capacities are provided for conversion only. Standard product will be sold in kN and Metric dimensions. U.S. capacities available upon special request and at an additional cost.

INTERFACE
FORCE MEASUREMENT SOLUTIONS

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DIMENSIONS

All dimensions in mm

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7418 East Helm Drive • Scottsdale, Arizona 85260 • 480.948.5555 • www.interfaceforce.com