

DMi Model: XTS100 and XTS150

SHAFT MOUNT TORQUE TRANSDUCER

PERFORMANCE SPECIFICATIONS

(FSO is Full Scale Output)

TORQUE RANGES: 600 in-lb to 12,000 in-lb

EXCITATION: 10 VDC, 15 VDC Max

OUTPUT: 2 mV/V Nominal

BRIDGE RESISTANCE: 350 ohms

LINEARITY: $\pm 0.20\%$ FSO

HYSTERESIS: $\pm 0.10\%$ FSO

REPEATABILITY: $\pm 0.03\%$ FSO

ZERO BALANCE: $\pm 2.0\%$ FSO

OPERATING TEMP RANGE: -65 to $+225^\circ\text{F}$ (-54 to $+107^\circ\text{C}$)

COMPENSATED TEMP

RANGE: $+60$ to $+160^\circ\text{F}$ ($+15$ to $+71^\circ\text{C}$)

THERMAL EFFECTS:

on Zero $\pm 0.005\%$ FSO/ $^\circ\text{F}$

on Span $\pm 0.005\%$ Reading/ $^\circ\text{F}$

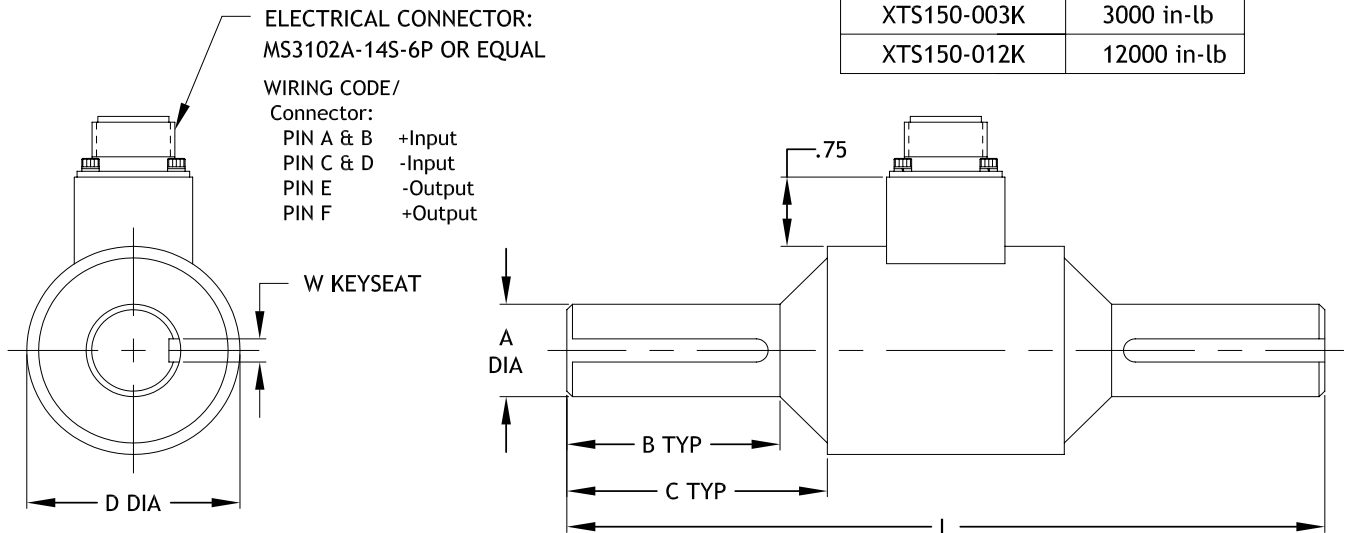
SAFE OVERLOAD: 150% of Capacity

ULTIMATE OVERLOAD: 300% of Capacity

CASING MATERIAL: Stainless Steel

PART NUMBER EXAMPLES

PART NUMBER	CAPACITY
XTS100-0600	600 in-lb
XTS100-001K	1000 in-lb
XTS150-003K	3000 in-lb
XTS150-012K	12000 in-lb



MODEL	RANGES	A	B	C	D	L	W
XTS100	600 to 2000 in-lb	1.00	2.25	2.75	2.25	8.00	$\frac{1}{4}$
XTS150	3000 to 12,000 in-lb	1.50	3.00	3.75	3.50	11.00	$\frac{3}{8}$

All dimensions are inches, unless otherwise noted.