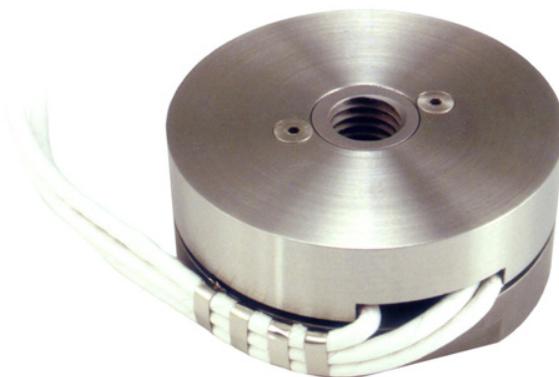


Round Three Axis Load Cell

Model TR3D-A-*

- 1,000 lb, 3,000 lb, 5,000 and 10,000 lb capacities
- Measures forces in three perpendicular directions
- Environmentally protected
- Temperature compensated
- Rugged construction



Description

Michigan Scientific's *TR3D-A-** Round Three Axis Load Cells are ideal for applications that require force measurements in three perpendicular directions. Available in 1,000 lb, 3,000 lb, 5,000 and 10,000 lb capacities, these compact transducers are well suited for an unlimited variety of applications.

The 3K, 5K and 5/5/10K models are made of high grade stainless steel material, and the 1K model is made of high grade aluminum. These materials, in addition to weatherproof sealing, combine to provide excellent resistance to corrosion and environmental conditions. Temperature compensation of the transducers ensure stable output throughout a wide temperature range. In addition, the transducers are configured for easy adaptation to a variety of applications.

Specifications

	TR3D-A-1K	TR3D-A-3K	TR3D-A-5K	TR3D-A-5/5/10k
Maximum Load Capacity (per channel)	1,000 lbs (4.4 kN)	3,000 lbs (13.3 kN)	5,000 lbs (22 kN)	X & Y axes 5,000 lbs (22 kN) Z axis 10,000 lbs (44 kN)
Maximum Moment Capacity (per channel)	30 lb.ft (40 N.m)	160 lb.ft (215 N.m)	210 lb.ft (280 N.m)	210 lb.ft (280 N.m)
Full Scale Output	4.0 mV/V, nominal, all channels			
Sensor	3 Four-arm strain gage bridges			
Nonlinearity	<0.5% of full scale output			
Hysteresis	< 0.5% of full scale output			
Temperature Range, Compensated	75°F to 200°F (24°C to 93°C)			
Temperature Effect on Zero	<0.2% full scale			
Temperature Range, Useable	-40°F to 300°F (-40°C to 149°C)			
Excitation Voltage, Maximum	10V DC or AC rms			
Standard Cable Length	10 ft (3.05 m) shielded, open-ended leads			

8500 Ance Road
Charlevoix, MI 49720
Tel: 231-547-5511
Fax: 231-547-7070
05-15-17
Rev. A

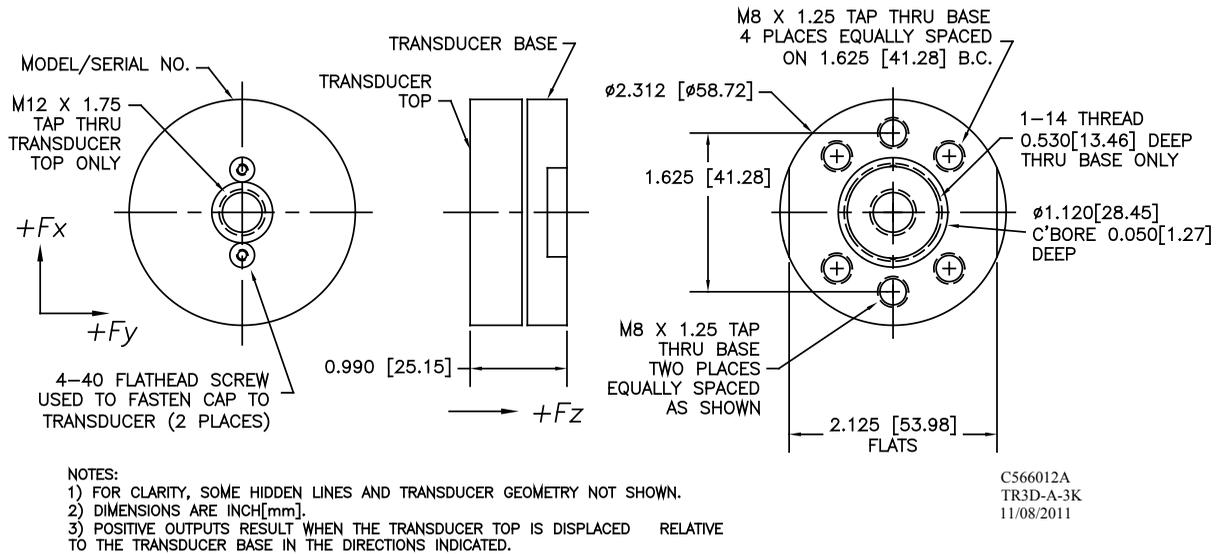
MICHIGAN SCIENTIFIC
corporation

<http://www.michsci.com>
Email: mscopy@michsci.com

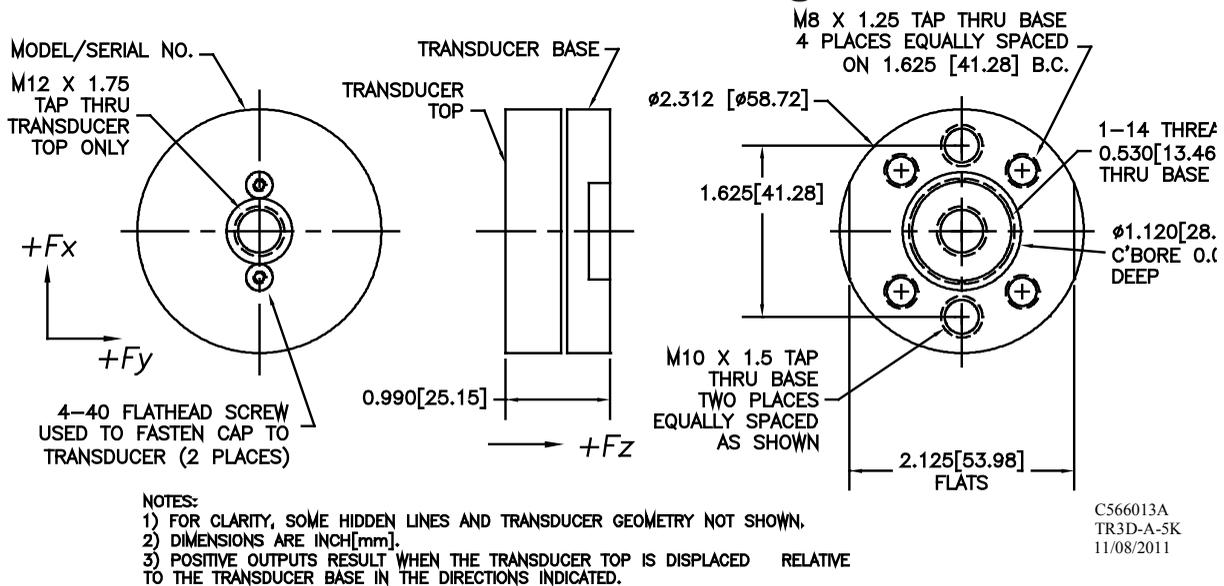
321 East Huron Street
Milford, MI 48381
Tel: 248-685-3939
Fax: 248-685-5406

Round Three Axis Load Cell

TR3D-A-1K and TR3D-A-3K Configuration



TR3D-A-5K and TR3D-A-5/5/10K Configuration



Ordering Options

Connector and optional cable length may be specified by the customer.

Contact Michigan Scientific for information on transducer applications and mounting.

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