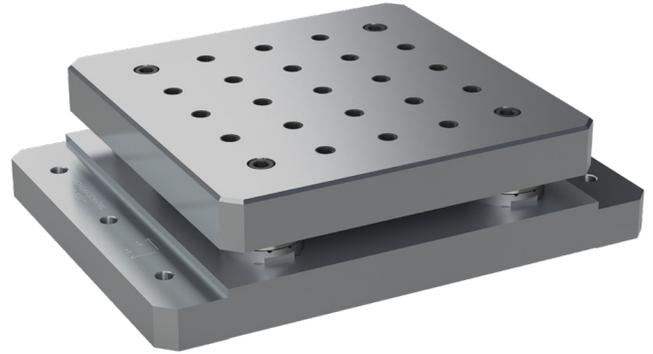


TR3D Load Platform

Model LP-3030

- Measures forces and moments
- Three load ranges
- Universal mounting pattern
- Environmentally protected
- Temperature compensated



Description

The *LP-3030 TR3D Load Platform* is a compact load platform designed to have higher force and moment capacity than individual load cells. The load platform uses four three-axis load cells to measure the net forces and moments acting on the platform. The load cells can be connected to the *JB3 Junction Box*, which combines the signals and outputs the net forces in three channels.

The load cells are made of high-grade stainless steel and have waterproof coatings, making them resistant to corrosion and harsh environmental conditions. Temperature compensation of the load cells ensures stable output throughout a wide temperature range.

The top plate has an array of tapped holes to which the user can attach equipment, test pieces, or machining fixtures. Custom platform sizes or mounting patterns can be designed upon request.

Specifications

	LP-3030-15	LP-3030-45	LP-3030-75
Maximum Force Capacity (per channel)	3,400 lbf (15 kN)	10,000 lbf (45 kN)	17,000 lbf (75 kN)
Maximum Mx/My Moment Capacity	1,100 lbf · ft (1.5 kN · m)	3,300 lbf · ft (4.5 kN · m)	5,500 lbf · ft (7.5 kN · m)
Maximum Mz Moment Capacity	1,800 lbf · ft (2.5 kN · m)	5,500 lbf · ft (7.5 kN · m)	8,900 lbf · ft (12 kN · m)
Sensor (4 of each)	TR3D-A-1K	TR3D-A-3K	TR3D-A-5K
Full Scale Output, Nominal	3.3 mV/V		
Nonlinearity*	< 0.5 % of full scale		
Bridge Resistance, Nominal*	250 Ω		
Excitation Voltage, Maximum	10 Vdc or Vac rms		
Temperature Range, Compensated	75 °F to 200 °F (24 °C to 93 °C)		
Temperature Effect on Zero	< 0.2 % of full scale		
Temperature Range, Usable	-40 °F to 300 °F (-40 °C to 149 °C)		
Size (L x W x H)	15.8 in x 11.8 in x 4 in (400 mm x 300 mm x 100 mm)		
Weight	46 lb (21 kg)		
Standard Cable Length	10 ft (3.05 m) shielded		

*When used with junction box.

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