Description

Multi axis transducer Model MAT - 200 is multi axis force sensor designed for measuring the force in the Lathe Operation, Tribology resear exhibits high sensitivity, low cross talk & excellent repeatability. This is strain gage based sensor with full temperature compensation over 50°C. This is available with three axis force sensing in X, Y & Z directions and torque around X,Y,Z axis.

- Multi axis force and torque combinations are available.
- Available in various capacities, ranging from 0 100N to 0 5000N for force & 0 - 100 NM to 0 - 500 NM for torque.
- Can be provided in various shapes like Rectangular, Cylindrical, Platform or Flanged

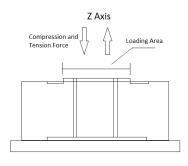
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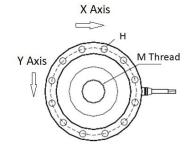
Lathe Operation Grinding & abrasive Who Tool Wear research	eel Research	Cutting Force Dynamometer Material Testing Automotive Research Tribology Research			
Performance Specific	cation				
Standard Capacities	Force	UP TO 25KN - X,Y AXIS UP TO 10KN - Z AXIS			
Excitation Voltage		10 VDC- Maximum 15 VDC			
Nominal Output	Force Torque	1 - 1.5 mV/V in Z axis 1 mv/V in X , Y axis			
Non - Linearity		$<\pm0.5\%$ FSO (Full Scale Output)			
Hysteresis		< ±0.5% FSO			
Non-Repeatability		< ±0.2% FSO			
Creep (30 minutes)		< ±0.5% FSO			
Zero Balance		±1.0% FSO			
Bridge Resistance		350 / 700 ± 20 Ohms			
Insulation Resistance (5	0 VDC)	> 2000 Mega Ohms			
Cable Length (10 Core)		3 Meters			
Safe Overload of Rated	Capacity	150%			
Ultimate Overload of Ra	ted Capacity	200%			
Temp. Compensated Ra	nge	0-50°C			
Temperature Effect on C	Output	< 0.04% FSO/ °C			
Temperature Effect on Z	Zero Zero	< 0.04% FSO/ °C			
Deflection		< 0.4 mm at FSO			
Finish & Construction		SS / Electro less Nickel plated Tool Steel			
Environmental Protectio	n Class	IP65			

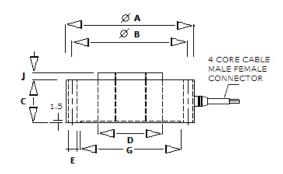


8 core cable for -**Excitation: 2 cores** X, Y Torque: 4 cores **Z Force: 2 cores**









Sı	pecification	are	subject	to	change.
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Specification are subject to change.					All dimensions are in mm.					
	Capacity – Tf.	A	В	С	J	D	G	E DIA. X H PLCS.	M Thread	MOC*
	See above – standard capacities	90	70	28	2	23	58	6.2 X 8	16 X 1.5	SS 17-4 PH



Made in INDIA by:

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