

PHYSICAL Weight, Max. Connector Type Housing Material Isolation Sensing Element Material Mode	DYNAMIC FORCE SENSOR VOLTAGE MODE EXCELLENT LINEARITY ENGLISH 1.12 Oz Coaxial 10-32 Stainless steel	SI	Force Sensors, IEPE This family : Model 1050V2 1050V3 1050V4 1050V5 1050V6	Also includes: Sensitivity (mV/Lb) 100 50 10 5 1	Range (LbsF) Compressive, Tensile 50, 50 100, 100 500, 500 1000, 500	Max Force (LbsF) Compressive, Tensile 1000, 1000 2000, 1000 10000, 1000	REV B, ECN 13216, 01/17/1 Discharge Time Constant (Sec) 100 500
Veight, Max. Connector Type Thread Housing Material Isolation Sensing Element Material Mode	• VOLTAGE MODE • EXCELLENT LINEARITY ENGLISH 1.12 oz Coaxial 10-32	32 gr	Model 1050V2 1050V3 1050V4 1050V5	Sensitivity (mV/Lb) 100 50 10 5	Compressive, Tensile 50, 50 100, 100 500, 500	Compressive, Tensile 1000, 1000 2000, 1000	Constant (Sec) 100 500
Veight, Max. Connector Type Thread Housing Material Isolation Sensing Element Material Mode	• VOLTAGE MODE • EXCELLENT LINEARITY ENGLISH 1.12 oz Coaxial 10-32	32 gr	1050V2 1050V3 1050V4 1050V5	100 50 10 5	Compressive, Tensile 50, 50 100, 100 500, 500	Compressive, Tensile 1000, 1000 2000, 1000	Constant (Sec) 100 500
Veight, Max. Connector Type Thread Housing Material Isolation Sensing Element Material Mode	• EXCELLENT LINEARITY ENGLISH 1.12 oz Coaxial 10-32	32 gr	1050V3 1050V4 1050V5	50 10 5	100, 100 500, 500	2000, 1000	500
Veight, Max. Connector Type Thread Housing Material Isolation Sensing Element Material Mode	ENGLISH 1.12 oz Coaxial 10-32	32 gr	1050V4 1050V5	10 5	500, 500		
Veight, Max. Connector Type Thread Housing Material Isolation Sensing Element Material Mode	1.12 oz Coaxial 10-32	32 gr	1050V5	5		10000, 1000	0000
Veight, Max. Connector Type Thread lousing Material Isolation tensing Element Material Mode	1.12 oz Coaxial 10-32	32 gr			1000, 500		2000
Veight, Max. connector Type Thread lousing Material Isolation ensing Element Material Mode	1.12 oz Coaxial 10-32	32 gr	1050V6	1		15000, 1000	2000
Veight, Max. Connector Type Thread lousing Material Isolation ensing Element Material Mode	1.12 oz Coaxial 10-32	32 gr			5000, 500	15000, 1000	2000
Veight, Max. Connector Type Thread lousing Material Isolation ensing Element Material Mode	Coaxial 10-32	0					
Connector Type Thread Housing Material Isolation Sensing Element Material Mode	Coaxial 10-32	0					
Housing Thread Housing Material Isolation Sensing Element Material Mode	10-32	Conviol	ams Refer to the	performance specifications	of the products in this fam	ily for detailed description	
lousing Material Isolation Sensing Element Material Mode		Cuaxiai					
Sensing Element Isolation Material Mode	Stainless steel	10-32	Supplied Ac	cessories:			
Sensing Element Material Mode		Stainless steel	1) Accredited	d Calibration Certificate (IS	O 17025)		
Mode	Case grounded	Case grounded	2) MOD 6210	0 STEEL IMPACT CAP			
	Quartz	Quartz	3) MOD 6204	4 1/4-28 MOUNTING STU	D		
	Compression	Compression					
			Notes:				
PERFORMANCE				maximum tension. Do not e	•		
ensitivity, +/-10%	500 mV/Lb			•	nge,Zero based best-fit sra	•	
ompression Range laximum Compression , +/-5%	10 Lbs.Force				onstant current type power		source of
ension Range	200 Lbs.Force		N voltage w	ithout current limiting. This	will destroy the integral IC	ampliner.	
faximum Tension [1], +/-5%	10 Lbs.Force 200 Lbs.Force		N				
Resolution	.00014 Lb. RMS		RMS				
inearity [2]	± 1 % Full Scale		Ill Scale	10.22 COAVIAL			
Mounted Resonance (Unloaded)	≥ 75 kHz		(Hz	10-32 COAXIAL CONNECTOR		5/16-24 TH	IREADS
Stiffness	11.4 Lb/µin		ν/μm				
			r				
ENVIRONMENTAL							
Coefficient Of Thermal Sensitivity	0.03 %/°F	0.05 %	6/°C			.54	
Operating Temperature	-100 to +250 °F	-73 to +121	°C		-	► Ø.52	
Maximum Vibration	5000 g's,Peak	49000 m/s^	2 Peak				
Maximum Shock	10,000 g's,Peak	,	2 Peak		[
Environmental Seal	Epoxy	Ероху					
						.62	
	0.17.00	0.45.00	- 0		4	ι	
Supply Current [3] Compliance Voltage	2 to 20 mA		mA (DC		<u></u>		
Discharge Time Constant, Min.	18 to 30 VDC 50 Seconds		/DC conds		L		
S. Output Voltage	5 Volts		/olts				
Dutput Impedance	100 Ω		Ω		- ∅.750 —		
Bias Voltage	7.5 to 9.5 VDC		/DC		φ./50		
	7.510 5.5	1.010 0.0					