

SPECIFICATIONS MODEL SERIES 1050V DYNAMIC FORCE SENSORS

SPECIFICATIONS BY MODEL

MODEL SENSITIVITY	COMPRESSION	MAXIMUM	TE	NSION MAX	KIMUM	DISCH.	
(mV/Lb)	RANGE (Lbs)	COMP. (Lbs)	RANGE (Lbs)	TENSION (Lbs) [1]	TC (Sec)	(Lb RMS)	
1050V1 500 1050V2 100 1050V3 50 1050V4 10 1050V5 5 1050V6 1	10 50 100 500 1000 5000	200 1000 2000 10,000 15,000 15,000	10 50 100 500 500 500	200 1000 1000 1000 1000 1000	50 100 500 2000 2000 2000	.00014 .0007 .0014 .007 .014 .07	
COMMON SPECIFICA	TIONS						
SPECIFICATION			VA			UNIT	S
STIFFNESS			11	.4		Lb/µ	In
MOUNTED RESONAN	IT FREQUENC	Y, UNLOADE	D 75			kHz	
LINEARITY [2]			+/-	· 1		%F.S	; .
F.S.OUTPUT VOLTAG	E, NOM.		5			VOLT	٢S
MAX SHOCK, UNLOA	DED		10	,000		G's	
MAX. VIBRATION, UN	LOADED		+/-	5,000		G's	
COEFFICIENT OF THERMAL SENSITIVITY				3		%/ ⁰ F	
TEMPERATURE RAN	GE		-10	00 to +250		٩F	
ENVIRONMENTAL SE	AL		EF	POXY			
SUPPLY CURRENT / VOLTAGE RANGE [3] 2 to 20 / +18 to +30						mA / VD	С
OUTPUT IMPEDANCE	E		10	0		ОНМ	s
MATERIAL			ST	AINLESS STEEL	-		
WEIGHT			32			GRAM	IS
MOUNTING PROVISIO	ON 5/16-24 IN	TEG. STEM A	T BOTTOM, 1/4	4-28 x .175 DP. T	APPED HO	LE AT TOP	
ELECTRICAL CONNE	CTOR, AXIAL,	MOUNTED AT	FEND OF THR	EADED STEM		10-32 COAXI	AL
ACCESSORIES SUPP	PLIED: (1) MOD	6210 STEEL	IMPACT CAP,	(2) MOD 6204 1/4	4-28 MOUN	TING STUD	

[1] Absolute maximum tension. Do not exceed in any case!

[2] Percent of full scale or of any lesser range, zero based best fit straight line method.

[3] Power these instruments **only** with constant current type power units. **Do not** connect to a source of voltage without current limiting. This **will destroy** the integral IC amplifier.