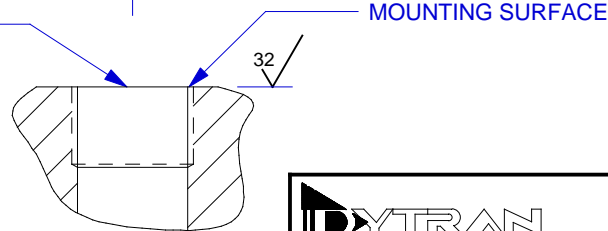


MOUNTING PREPARATION

PREPARE FLAT SURFACE (TO .001 TIR)
OVER 2.00 MIN DIAMETER AREA.
DRILL $39/64$ ($\varnothing .609$) THRU, AT CENTER
TAP $11/16-18$ UNS-2B X .430 MIN THREAD
DEPTH



1. MATERIAL, HOUSING & CONNECTOR HOUSING: 300 SERIES STAINLESS STEEL. TOP AND BOTTOM SURFACES, 17-4 PH ST. STEEL
2. WEIGHT - 460 GRAMS
3. TORQUE TO 10 LB-FT AT INSTALLATION USING WRENCH ON WRENCH FLATS ONLY.
4. DO NOT APPLY IMPACT LOADS TO FORCE SENSOR WITHOUT IMPACT CAP, MODEL 6217 OR EQUIVALENT. CONSULT FACTORY FOR SPECIAL IMPACT CAPS FOR YOUR PARTICULAR APPLICATION.

EXCEPTAS OTHERWISE NOTED	
ALL DIMENSIONS IN INCHES	TOLERANCE: .XXX= ± .XX= ±
SURFACE FINISH EXCEPTAS NOTED	✓
BREAKEDGES TO DEBURR	RADIUSOR CHAMFER
△ THESE DIAS	⊙ TO T.I.R.
FILLETS -	MAX RAD.

IDYTRAN INSTRUMENTS, INC.		CHATSWORTH, CA.	
SCALE	1X	REV	DATE
DATE	8/19/96	PART NO.	1060A & 1060C
DRAWN	N.C.	CHECKED	D.Z.
APPROVED		NEXT ASSEMBLY	USEDON
TITLE			DWG NO.
OUTLINE/INSTALLATION DRAWING			127-1060
FORCE SENSOR, SERIES 1060V & 1060C			SHEET 1 OF 1

SPECIFICATIONS MODEL 1060C DYNAMIC FORCE SENSOR

SPECIFICATION	VALUE	UNITS
SENSITIVITY	-9	pC/Lb F
WORKING COMPRESSION RANGE	25,000	Lb F
MAXIMUM COMPRESSION FORCE	60,000	Lb F
WORKING TENSION RANGE	500	LB F
MAXIMUM TENSION FORCE [1]	1,000	Lb F
STIFFNESS	50.0	Lb/μ In
MOUNTED RESONANT FREQUENCY, UNLOADED	75	kHz
LINEARITY [2]	+/- 1	%F.S.
MAX SHOCK, UNLOADED	5,000	G's
MAX. VIBRATION, UNLOADED	+/- 3000	G's
COEFFICIENT OF THERMAL SENSITIVITY	.01	%/°F
TEMPERATURE RANGE	-100 to +500	°F
ENVIRONMENTAL SEAL	WELDED/EPOXY	
CAPACITANCE, NOM.	250	pF
INSULATION RESISTANCE	1 X 10 ¹²	Ohms
CASE MATERIAL	STAINLESS STEEL	
WEIGHT	460	GRAMS
MOUNTING PROVISION, BOTTOM	11/16-12 THREADED STEM	
MOUNTING PROVISION, TOP	3/8-16 X .300 DEEP TAPPED HOLE	
ELECTRICAL CONNECTOR, AXIAL (AT END OF THREADED STEM)		10-32 COAXIAL

ACCESSORIES SUPPLIED: (1) MOD 6232 3/8-16 MOUNTING STUD

NOTES:

[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.