

**PROPRIETARY AND CONFIDENTIAL**

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**REVISIONS**

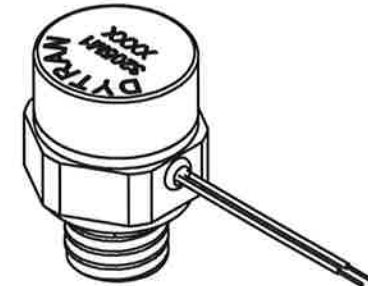
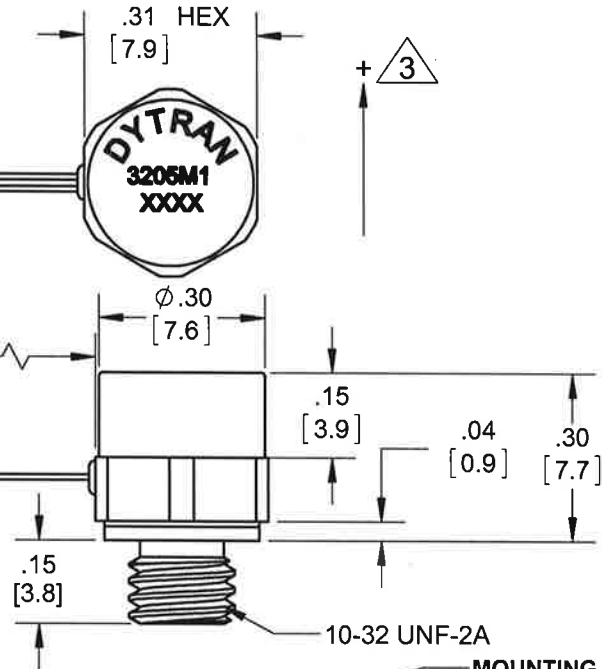
REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	7391	INITIAL RELEASE	JS 06/10/11	RT	DV
B	12242	ADDED TORQUE TO 10-12 LB-IN	RA, 09/30/15	Em	LW

SIG/PWR ORANGE  
30 AWG

GND RETURN GREEN  
30 AWG

35.00±1.00  
[889±25.4]

.25  
[6.4]  
(STRIP)



- 3 ARROW INDICATES ACCELERATION DIRECTION FOR POSITIVE OUTPUT.
- WEIGHT 2.0 GRAMS MAX.
  - HOUSING MATERIAL: TITANIUM

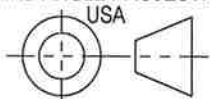
NOTES: UNLESS OTHERWISE SPECIFIED

UNLESS OTHERWISE SPECIFIED:  
INTERPRET DIM & TOL PER ASME Y14.5M - 1994.  
REMOVE BURRS.  
COUNTERSINK INTERNAL THDS 90° TO MAJOR DIA.  
CHAM EXT THDS 45° TO MINOR DIA.  
THD LENGTHS AND DEPTHS ARE FOR MIN FULL THDS.  
THDS PER MIL-S-7742.  
DIMENSIONS APPLY AFTER FINISHING.

UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN INCHES. DIMENSIONS IN BRACKETS [ ] ARE IN MILLIMETERS  
TOLERANCES ARE:  
INCHES METRIC ANGLES  
.XX ± .03 .X ± 0.8 ± 1°  
.XXX ± .010 .XX ± 0.25

USED ON NEXT ASSY  
APPLICATION

THIRD ANGLE PROJECTION  
USA



ALL MACHINED SURFACES. TOTAL RUNOUT WITHIN .005.  
BREAK SHARP EDGES .005 TO .010.  
MACHINED FILLET RADII .005 TO .015.  
WELDING SYMBOLS PER AWS A2.4.  
ABBREVIATIONS PER MIL-STD-12.

MATERIAL

FINISH

DO NOT SCALE DRAWING

CONTRACT NO.



**MASTER ONLY IF IN RED**

TITLE:

**OUTLINE/INSTALLATION  
DRAWING 3205M1**

APPROVALS DATE

ORIG	JS	03/04/11
CHK	RT	06/10/11
APP	DV	06/11/11
APP		

SIZE	CAGE CODE	DWG. NO.	REV
<b>A</b>	<b>2W033</b>	<b>127-3205M1</b>	<b>B</b>
SCALE: NONE		SOLIDWORKS	SHEET 1 OF 1



- HIGH TEMPERATURE
- LOW BIAS VOLTAGE
- FLYING LEADS
- EXCELLENT LINEARITY

**PHYSICAL**

Weight, Max (Less Cable)      Integral Cables  
 Electrical Connection  
 Mounting Provision : Integral Stud  
 Material : Housing and Base

ENGLISH		SI	
0.07	oz	2	grams
Flying Leads, 30 AWG		Flying Leads, 30 AWG	
10-32 UNF-2A		10-32 UNF-2A	
Titanium		Titanium	

**PERFORMANCE**

Sensitivity, ±20% [1]  
 Range F.S for ± 1 Volts Output  
 Frequency Response, ± 3db  
 Resonant Frequency  
 Equivalent Electrical Noise Floor  
 Linearity [2]  
 Maximum Transverse sensitivity  
 Base Strain Sensitivity @ 250 µε

0.33	mV/g	0.03	mV/m/s <sup>2</sup>
±3000	g	±29430	m/s <sup>2</sup>
0.64 to 5000	Hz	0.64 to 5000	Hz
>30	kHz	>30	kHz
0.08	Grms	0.785	m/s <sup>2</sup> rms
± 1%	% F.S.	± 1%	% F.S.
5	%	5	%
0.2	g/µε	1.96	m/s <sup>2</sup> /µε

**ENVIRONMENTAL**

Maximum Vibration  
 Maximum Shock  
 Temperature Range  
 Seal

±4000	G's,peak	±39240	m/s <sup>2</sup> peak
±5000	G's,peak	±49050	m/s <sup>2</sup> peak
-45 to +347	°F	-45 to +175	°C
Epoxy/Welded		Epoxy/Welded	

**Electrical**

Excitation Current  
 Compliance Voltage Range  
 Output Impedance, Typ  
 Bias Voltage  
 Discharge Time Constant  
 Output Signal Polarity for Acceleration Towards Top

3 to 5	mA	3 to 5	mA
4 to 5	Volts	4 to 5	Volts
100	Ω	100	Ω
+1.7 to + 3.4	VDC	+1.7 to + 3.4	VDC
0.25 to 0.8	Sec	0.25 to 0.8	Sec
Positive		Positive	

**This family also includes:**

Model	Sensitivity	Range F.S ± 5 Volts	Max Vibration/Shock	Resonant Frequency

Refer to the performance specifications of the products in this family for detailed description.

**Supplied Accessories:**

- 1) Accredited calibration certificate (ISO 17025)

**Notes:**

- [1] Measure at 100Hz, 10 Grms per ISA RP 37.2
- [2] Measure using zero based best-fit straight line method, % of F.S. or any lesser range.
- [3] Do not apply power to this system without current limiting, 20 mA MAX. To do so will destroy the IC charge amplifier.

