8. LOW OUTGASSING

- PART NO: 3133DX-XX (WHERE APPLICABLE, -XX DENOTES LENGTH IN FEET). SEE TABLE FOR LENGTH TOLERANCE.
- SEE TABLE FOR 4 WIRE CABLE SPECIFICATIONS.
- DYTRAN MODEL 6298 PETRO MOUNTING WAX AND MODEL 6741 REMOVAL TOOL, SUPPLIED.
- ARROWS INDICATE DIRECTION OF ACCELERATION FOR POSITIVE OUTPUT.
- FOR BEST FREQUENCY RESPONSE, PREPARE A FLAT MOUNTING SURFACE OF AT LEAST 0.39, FLAT TO 0.0001 TIR. APPLY ONE DROP OF CYANOACRYLATE ADHESIVE TO MOUNT THE ACCELEROMETER.
- HOUSING MATERIAL: TITANIUM ALLOY.
- WEIGHT: 0.8 GRAMS MAX, LESS CABLE.
- NOTES: UNLESS OTHERWISE SPECIFIED

2. HOUSING MATERIAL: TITANIUM ALLOY.
1. WEIGHT: 0.8 GRAMS MAX, LESS CABLE.
NOTES: UNLESS OTHERWISE SPECIFIED

REV. ECN DESCRIPTION BY/DATE CHK APPR
E 13437 ADDED "LOW OUTGASSING" NOTE JB 5/9/2017 MH LN
F 13902 INITIAL RELEASE OF D1-17, D2-17, D3-17, D4-01, D5-17 RA, 12/08/17 MH LN
G 14107 SEE ECN RA, 03/22/18 MH

CABLE LENGTH TOLERANCE

ENGLISH [METRIC]

| ≤1FT | +1/-0 IN | ≤0.3m | +25mm/-0mm |
| >1FT | -5 FT | +2/-0 IN | ≤1.5m | +50mm/-0mm |
| >5FT | +4/-0 IN | ≤1.5m | +100mm/-0mm |
| >10FT | -25FT | ≤3m/-7.5m | +150mm/-0mm |
| >25FT | +5%/-0% | >7.5m | +5%/0% |
Model Number
3133D3

ULTRA MINIATURE SIZE
IDEAL LOW FREQUENCY RESPONSE
LOW BASE STRAIN SENSITIVITY
HERMETICALLY SEALED
LOW OUTGASSING

This family also includes:

- IDEAL LOW FREQUENCY RESPONSE
- LOW BASE STRAIN SENSITIVITY
- HERMETICALLY SEALED
- LOW OUTGASSING

<table>
<thead>
<tr>
<th>Model</th>
<th>Sensitivity (mV/g)</th>
<th>Range (Gpeak)</th>
<th>Resolution (Grms)</th>
<th>Oper. Temp(°F)</th>
<th>TC</th>
</tr>
</thead>
<tbody>
<tr>
<td>3133D1</td>
<td>10</td>
<td>500</td>
<td>0.02</td>
<td>-67 to 320</td>
<td>1.1 to 2.5</td>
</tr>
<tr>
<td>3133D2</td>
<td>2</td>
<td>2,500</td>
<td>0.15</td>
<td>-67 to 320</td>
<td>0.3 to 2.5</td>
</tr>
<tr>
<td>3133D4</td>
<td>0.7</td>
<td>5,000</td>
<td>0.3</td>
<td>-67 to 320</td>
<td>0.5 to 2.5</td>
</tr>
<tr>
<td>3133D5</td>
<td>0.25</td>
<td>20,000</td>
<td>0.5</td>
<td>-67 to 320</td>
<td>0.5 to 4.0</td>
</tr>
</tbody>
</table>

Supplied Accessories:
1) Model 6298 small petro wax
2) Model 6741 removal tool
3) Accredited calibration certificate (ISO 17025)

Notes:
[1] Measured at 100 Hz, 10 Grms
[2] Actual sensitivity is given on a calibration certificate
[3] Do not apply power to this device without current limiting, 20mA max, to do so will destroy the integral IC amplifier

ENVIRONMENTAL

Maximum Shock 3,000 Gpeak 29430 m/s²
Maximum Vibration 1,500 Gpeak 14715 m/s²
Operating Temperature -67 to +320 °F -55 to 160 °C
Seal Hermetic Hermetic
Magnetic Sensitivity at 100 Gauss 0.0002 g/Gauss 0.002 m/s²/Gauss
Base Strain Sensitivity 0.0011 g/µε 0.01 m/s²/µε

ELECTRICAL

Compliance Voltage +18 to +30 VDC +18 to +30 VDC
Current Range [4] 2 to 20 mA 2 to 20 mA
Bias Voltage +8 to +10 VDC +8 to +10 VDC
Discharge Time Constant 1.1 to 2.5 seconds 1.1 to 2.5 seconds
Output Impedance 100 Ω 100 Ω

Notes:
Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3133D for more information.