## **Piezoelectric Accelerometer**

### Model 6237M70/M71

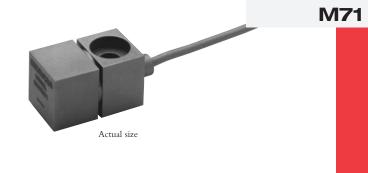
- +1200°F (+650°C) Operation
- Integral Hardline Cable
- Single Bolt Mount
- Ground Isolated
- Gas Turbine Testing

### DESCRIPTION

The ENDEVCO<sup>®</sup> Model 6237M70 and 6237M71 piezoelectric accelerometers are designed specifically for use in extremely high temperature environments such as those experienced on aircraft gas turbines. These accelerometers are designed for continuous operation at +1200°F with long Mean Time Between Failure (MTBF). The small size and light weight of these accelerometers permit installation in cramped locations with minimal structural support. The accelerometer is a self-generating device that requires no external power source for operation.

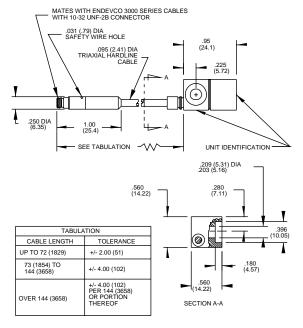
Models 6237M70/M71 incorporate ENDEVCO's PIEZITE® Type P-15 crystal in a shear design. The 6237M70 and 6237M71 differ in their internal design and in the direction of the sensitive axis. The 6237M70 has its sensitive axis located in line with the mounting screw, while the 6237M71 is oriented perpendicular, or transverse, to the mounting screw. The sensing elements and integral shield are isolated from the case. These accelerometers feature an integral hardline cable with a standard length of 120 inches. Other cable lengths are also available on special order.

ENDEVCO Signal Conditioner Model 2721B is recommended for use with this high impedance accelerometer.

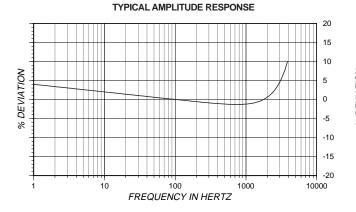


ENDEVCO MODEL

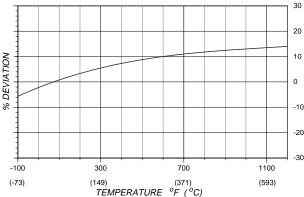
6237M70/







#### TYPICAL TEMPERATURE RESPONSE









9001

## **ENDEVCO** MODEL 6237M70/ **M71**

# **Piezoelectric Accelerometer**

#### **SPECIFICATIONS**

The following performance specifications conform to ISA-RP-37.2 (1964) and are typical values, referenced at +75°F (+24°C) and 100 Hz, unless

t+1200°F (+65°C)       KΩ       ≥ 10         SOLATION       kΩ       ≥ 500         ARDLINE CABLE RESISTIVITY       KΩ       100         ARADLINE CABLE RESISTIVITY       KΩ       100         ARADSDUCER (Excluding cable)       pF       60         ARANSDUCER (Excluding cable)       pF       60         IARDLINE CABLE CAPACITANCE       pF/ft (pF/m)       100 (328)         ienter conductor to inner shield       ienter conductor to inner shield       ienter conductor to inner shield         iROUNDING       Signal return isolated from case       A7°F to +1200°F (+55°C to +650°C)         ONNECTOR       -67°F to +1200°F (-55°C to +650°C)       ienter conductor to inner shield         iNURONNENTAL CHARACTERISTICS       Open to environment via vent hole in splash protected area         ONNECTOR       Epoxy sealed, non-hermetic         INUSOIDAL VIBRATION LIMIT       g       500         INUSCIAL CHARACTERISTICS       See Outline Drawing         IMENSIONS       See Outline Drawing         IEGHT (Excluding cable)       gm (oz)       30 (1.1)         ASE MATERIAL       Inconel         IARDLINE CABLE       Traixia, 0.095 inch diameter, Inconel jacketed, mineral oxide insultated         IONNECTOR       Coaxial receptacle with 10.422 UNF threads designed to matw wit	DYNAMIC CHARACT	ERISTICS	Units	
ESONANCE FREQUENCY         Hz         11         1           45%         Hz         2 to 3000           45%         Hz         1 to 6000           50%         See Typical Curve           ARNEVERSE SENTIVITY         %         5           FIGURATURE RESPONSE [3]         See Typical Curve           RANSVERSE SENTIVITY         %         5           MELTUDE LINEARITY         %         1           res 500 g. to 200 g         1         1           LECTRICAL CHARACTERISTICS         DUTPUT POLARITY         Acceleration directed into base of unit produces positive output at center socket of receptade           ESISTANCE [4]         +1200°F (460°C)         K12         > 10           44200°F (460°C)         K12         > 10         30 (238)           after conductor inner sheld         pFfi (pFm)         100 (328)         30 (238)           after conductor inner sheld         Signal return isolated from case         NUROMENTAL CHARACTERISTCS           EMPERATURE RANGE         PFfi (pFm)         100 (328)         100 (328)           ARDUNCE FRANCULE CABLE [5]         -67°F to +1200°F (-58°C to +280°C)         100 (300 (328)           ARDUNCE TRANDULE CABLE [5]         -67°F to +500°F (-58°C to +280°C)         100 (300 (328)           ARDUNR	CHARGE SENSITIVIT	Y, ±5%	pC/g	10
MPLITUDE RESPONSE [2]         41dB         Hz         2 to 3000           atdB         Hz         1 to 5000           RANSVERSE SENSITIVITY         %         55           MPLITUDE LINERARITY         %         55           ar 500 g, 0 to 2000 g         1         1           LECTRICAL CHARACTERISTICS         positive output at center socket of receptade           DESTANCE [4]         2 to 3000           L+12007 (r456°C)         kΩ         2 to 3000           L+2007 (r456°C)         kΩ         2 to 3000           ARACLINKCE RESISTIVITY         kΩ 4th         100           wo places at +12007 (r456°C)         AAACTIANCE         500           ARACLINKC CALE CAPACTIANCE         pF         60           ARASULICER (ALE CAPACTIANCE         pF         60           ANSULCER (ALEARALINE CAPALETINCE         PF         60           NARSULICER ALE CAPACTIANCE         pF         60           ANSULICER ALE CAPACTIANCE         pF         60           ANSULICER ALE CAPACTIANCE         pF         60           ANSULICER ALE CAPACTANCE         pF         00           ANSULICER ALE CAPACTANCE         pF         00           ANSULICER ALE CAPACTANCE         pF         00 </td <td>REQUENCY RESPO</td> <td>NSE [1]</td> <td></td> <td>See Typical Amplitude Response</td>	REQUENCY RESPO	NSE [1]		See Typical Amplitude Response
MPLITUDE RESPONSE [2]         41dB         Hz         2 to 3000           atdB         Hz         1 to 5000           RANSVERSE SENSITIVITY         %         55           MPLITUDE LINERARITY         %         55           ar 500 g, 0 to 2000 g         1         1           LECTRICAL CHARACTERISTICS         positive output at center socket of receptade           DESTANCE [4]         2 to 3000           L+12007 (r456°C)         kΩ         2 to 3000           L+2007 (r456°C)         kΩ         2 to 3000           ARACLINKCE RESISTIVITY         kΩ 4th         100           wo places at +12007 (r456°C)         AAACTIANCE         500           ARACLINKC CALE CAPACTIANCE         pF         60           ARASULICER (ALE CAPACTIANCE         pF         60           ANSULCER (ALEARALINE CAPALETINCE         PF         60           NARSULICER ALE CAPACTIANCE         pF         60           ANSULICER ALE CAPACTIANCE         pF         60           ANSULICER ALE CAPACTIANCE         pF         60           ANSULICER ALE CAPACTANCE         pF         00           ANSULICER ALE CAPACTANCE         pF         00           ANSULICER ALE CAPACTANCE         pF         00 </td <td>RESONANCE FREQU</td> <td>IENCY</td> <td>kHz</td> <td>11</td>	RESONANCE FREQU	IENCY	kHz	11
±5%         Hz         2 to 3000           EMPERATURE RESPONSE [3]         See Typical Curve           RANSVERSE SENTIVITY         %           ef 50 g, to 200 g         1           LECTRICAL CHARACTERISTICS         JUTPUT POLARITY           Acceleration directed into base of unit produces positive output at center socket of receptade           ESISTANCE [4]         +1200°F (460°C)           LECTRICAL CHARACTERISTICS         Acceleration directed into base of unit produces positive output at center socket of receptade           ESISTANCE [4]         +1200°F (460°C)           KAD         ≥ 10           SCLATION         +1200°F (460°C)           KAD         ≥ 600           ARADULER CRESISTIVITY         KL1           MARDURE CALE RESISTIVITY         KL2           ARADULER CRESCE (lexituding cable)         pF           MARDURE CALE CAPACITANCE         pF/ft (pF/m)           ROUNDING         Signal return isolated from case           NURROMENTAL CHARACTERISTICS         Signal return isolated from case           MURROMENTAL CHARACTERISTICS         -67°F to +260°C)           MARDUCER/CABLE         Open to environment via vent hole in splash protectod area           NUNSOIDAC VIBRATION LIMIT         g           SOUNECTOR         See Outline Drawing				
idB       Hz       1 to 500         EMPERATURE RESPONSE [3]       See Typica Curve         RANEVERSE SENSITIVITY       %         er 500 g, 0 to 2000 g       1         LECTRICAL CHARACTERISTICS       Jumptur PolARITY         Acceleration directed into base of unit produces positive output at center socket of receptacle positive output at center socket of receptacle         JESTRACE [4]       + 1200°F (4650°C)         KQ       \$ 10         SOLATION       \$ 500         ARADULER (ALE RESISTIVITY       K42-4         APACITANCE       \$ 500         ARADULER (ALE RESISTUTY       K42-4         ARADULER (ALE RESISTUTY       K42-4         ARADULER (ALE RESISTUTY       K42-4         ARADULER (ALE RESISTUTY       K42-4         Signal return isolated from case       Signal return isolated from case         NVIROMENTAL CHARACTERISTCS       Signal return isolated from case         NVIROMENTAL CHARACTERISTCS       Open to environment va vent hole in splash protected area         NURSOIDAC UBRATION LIMIT       g       500         ARADUCER/CALE       Open to environment va vent hole in splash protected area         NURSOIDAC UBRATION LIMIT       g       500         ARADUCER/CALARACTERISTCS       See Outline Drawing         MU			Hz	2 to 3000
EMPERATURE RESPONSE [3] See Typical Curve RANSVERSE SENSITIVITY %				
RANEVERSE SENSITIVITY       %          RANEVERSE SENSITIVITY       %       1         er 500 g. 0 to 2000 g       1         LECTRICAL CHARACTERISTICS       Acceleration directed into base of unit produces positive output at center socket of receptade         LESTRANCE [4] $\sim$ 10         + 12007F (H567C)       KQ $\geq$ 10         SOLATION       KQ $\geq$ 500         HAPDLINE CALE RESISTIVITY       KQ. $\geq$ 500         APACITANCE       pFf       60         APACITANCE       pFff (pFm)       100 (328)         and and conductor to inner shield       Signal return isolated from case         NVIROMENTIAL CHARACTERISTCS       -677F to +12007F (-55°C to +650°C)         ONNECTOR       -677F to +2007F (-55°C to +650°C)         ONNECTOR       -677F to +2007F (-55°C to +650°C)         ONNECTOR       -677F to +2007F (-55°C to +260°C)         ONNECTOR       -677F to +2007F (-55°C to +260°C)         ONNECTOR       Casal a receptade with 10-32 Contextory is splash protected area         DECHARACTERISTICS<		PONSE [3]	112	
MPLITUDE LINEARITY 96 1  For 500 g, 0 to 2000 g  LECTRICAL CHARACTERISTICS  UTPUT POLARITY Acceleration directed into base of unit produces positive output at center socket of receptade positive output at centersocket output at centersocket of receptade positive output at centersocket output at centersocket output at centersocket output at			0/.	
Fer 500 g. 0 to 2000 g         LECTRCAL CHARACTERISTICS         UTPUT POLARITY       Acceleration directed into base of unit produces positive output at center socket of receptacle for the socket of receptacle fo				
LECTRICAL CHARACTERISTICS         Acceleration directed into base of unit produces positive output at center socket of receptacle           VUTPUT POLARITY         Acceleration directed into base of unit produces positive output at center socket of receptacle           ESISTANCE [4]         +11200°F (+650°C)         kΩ         ≥ 10           ARADLINE CABLE RESISTIVITY         KΩ+ft         100			70	I
ULTPLY POLARITY     Acceleration directed in base of unit produces positive output at center socket of receptacle       ESISTANCE [4]     210       I+1200°F (+650°C)     kΩ       SQLATION     250       IARDLINE CABLE RESISTIVITY     KΩ       ARADULINE CABLE RESISTIVITY     KΩ       ARADULINE CABLE RESISTIVITY     KΩ       ARADULINE CABLE RESISTIVITY     KΩ       ARADULINE CABLE RESISTIVITY     KΩ       RANSDUCER (Facture cable)     pF       RANSDUCER (FARANCE)     PFft (pF/m)       BOD (328)       enter conductor to inner sheld       ROUNDING     Signal return isolated from case       NVRONMENTAL CHARACTERISTICS       EMPERATURE RANGE       RANSDUCER/KARADULINE CABLE [5]       -67°F to +1200°F (-55°C to +280°C)       OWINECTOR       UNINDITY       VINCOTOR       OPEN to environment viru sent hole in splash protected area       EXEMPTION LIMIT     g       500       HOCK LIMIT       9       2000       HYSICAL CHARACTERISTICS       INSUGER/CABLE       OPEN to environment viru sent hole in splash protected area       EIGHT (Excluding cable)       gm (oz)       30 (1.1)       ASE MATERIAL       INSUGER/CARACTERISTICS       INSU	2er 500 g, 0 to 2000 g			
ULTPLY POLARITY     Acceleration directed in base of unit produces positive output at center socket of receptacle       ESISTANCE [4]     210       I+1200°F (+650°C)     kΩ       SQLATION     250       IARDLINE CABLE RESISTIVITY     KΩ       ARADULINE CABLE RESISTIVITY     KΩ       ARADULINE CABLE RESISTIVITY     KΩ       ARADULINE CABLE RESISTIVITY     KΩ       ARADULINE CABLE RESISTIVITY     KΩ       RANSDUCER (Facture cable)     pF       RANSDUCER (FARANCE)     PFft (pF/m)       BOD (328)       enter conductor to inner sheld       ROUNDING     Signal return isolated from case       NVRONMENTAL CHARACTERISTICS       EMPERATURE RANGE       RANSDUCER/KARADULINE CABLE [5]       -67°F to +1200°F (-55°C to +280°C)       OWINECTOR       UNINDITY       VINCOTOR       OPEN to environment viru sent hole in splash protected area       EXEMPTION LIMIT     g       500       HOCK LIMIT       9       2000       HYSICAL CHARACTERISTICS       INSUGER/CABLE       OPEN to environment viru sent hole in splash protected area       EIGHT (Excluding cable)       gm (oz)       30 (1.1)       ASE MATERIAL       INSUGER/CARACTERISTICS       INSU		0750107100		
Positive output at center socket of receptacle           ESISTANCE [4]         +1200°F (+650°C)         kΩ         ≥ 10           1+1200°F (+650°C)         kΩ         ≥ 500           ARDLINE CABLE RESISTIVITY         KΩ         > 500           ARADLINE CABLE RESISTIVITY         KΩ         000 (328)           arrACTANCE         FRANSDUCER (+koluding cable)         pF         60           ARADLINE CABLE CAPACITANCE         pF/ft (pF/m)         100 (328)           arear conductor to inner shield         -         -           IRROUNDING         Signal return isolated from case         -           NVIRONMENTAL CHARACTERISTICS         -67°F to +1200°F (-55°C to +650°C)         -           ONNECTOR         -67°F to +1200°F (-55°C to +650°C)         -           ONNECTOR         -67°F to +1200°F (-55°C to +650°C)         -           ONNECTOR         -67°F to +1200°F (-55°C to +650°C)         -           INUSOIDAL VIBRATION LIMIT         g         500         -           NINENSIONS         See Outline Drawing         -         -           WHSICAL CHARACTERISTICS         -         -         -           MICHARACTERICS         -         -         -           MICHARACTERICS         -         -         - </td <td></td> <td>CTERISTICS</td> <td></td> <td></td>		CTERISTICS		
t+1200°F (+650°C)       kΩ       ≥ 10         SOLATION       kQ       ≥ 500         ARDLINE CABLE RESISTIVITY       kQ       ≥ 500         ARADLINE CABLE RESISTIVITY       kQ       ≥ 500         ARADSDUCER (Excluding cable)       pF       60         ARANSDUCER (Excluding cable)       pF       60         IARDLINE CABLE CAPACTANCE       pF/ft (pF/m)       100 (328)         ienter conductor to inner shield       ienter conductor to inner shield       ienter conductor to inner shield         iRROUNDETAL CHARACTERISTICS       eA7°F to +1200°F (-55°C to +650°C)       icn +260°C)         INMENDUCER/CABLE       Open to environment via vent hole in splash protected area       protected area         INVISOIDAL VIBRATION LIMIT       g       500       500         INVSCIAL CHARACTERISTICS       See Outline Drawing       immeral oxide insulted       immeral oxide insulted         INVISOIDAL VIBRATION LIMIT       g       30 (1.1)       immeral oxide insulted       immeral oxide insulted       immeral oxide insulted         INVISOIDAL VIBRATION       g       30 (1.1)       immeral oxide insulted	JUIPUI POLARITY			•
SQLATION I 1200°F (#550°C) KQ ≥ 500 IARDLINE CABLE RESISTIVITY K2-ft 100 Wo places at +1200°F (#550°C) ARDLINE CABLE RESISTIVITY K2-ft ARADINE CABLE CAPACITANCE RANSDUCER (Excluding cable) pF 6 60 ARDLINE CABLE CAPACITANCE FF 0 +1200°F (#55°C to +560°C) INUSONING Signal return isolated from case INURONMENTAL CHARACTERISTICS EMPERATURE RANGE RANSDUCER/RAMADLINE CABLE [5] -67°F to +1200°F (-55°C to +560°C) INUSONING RANSDUCER/CABLE Open to environment via vent hole in splash protected area Epoxy sealed, non-hermetic INUSONAL VIBRATION LIMIT g 500 HYSICAL CHARACTERISTICS INUSONAL VIBRATION LIMIT g 500 HYSICAL CHARACTERISTICS INUSONAL VIBRATION LIMIT g 500 HYSICAL CHARACTERISTICS INUSONAL VIBRATION LIMIT g 500 HYSICAL CHARACTERISTICS INUSONAL VIBRATION LIMIT g 500 HYSICAL CHARACTERISTICS INUSONA INDSCIOR Coaxial receptaced with 10-32 UNF threads designed to mate with ENDEVCO 3000 Series Cable Assembly or equivalent. Receptace for used with 10-32 UNF threads designed to mate with ENDEVCO 3000 Series Cable Assembly or equivalent. Receptace for used with 10-32 UNF threads designed to mate with ENDEVCO 3000 Series Cable Assembly or equivalent. Receptace for use with ENDEVCO 3000 Series Cable Assembly or equivalent. Receptace for use with ENDEVCO 3000 Series Cable Assembly or equivalent. Receptace must be handled with care VIDINTING TORQUE IDF (10-32 x 0.75 in, 12 pt DIAL JONC (LABLE ASSEMBLY TF TIONAL DIAL 25% form 900 L2 and 500° (+260°C). The temperature charge eviction at 250°C (+260°C). The temperature can be of greater than +100°F (+38°C) per minute. The electrical resistance of prescolerctic materials decreases to to 900 L2 and 2.5% form 900 L2 and 500°C (+260°C). The temperature can be of greater than +100°F (+28°C). The temperature can be of greater than +100°F (+28°C). The temperature can be of preston and accurrey using Endevco' to 900 L2 and 2.5% form 900 L2 and 500°C. Marcinal mith levels of preston and accurrey using Endevco' to 900 L2 and 2.5%	RESISTANCE [4]			
SQLATION I 1200°F (#550°C) KQ 2 500 IARDLINE CABLE RESISTIVITY K2-ft 100 MARDLINE CABLE RESISTIVITY K2-ft 100 ARDLINE CABLE RESISTIVITY K2-ft (pF/m) 100 (328) IARDLINE CABLE CAPACITANCE PFft (pF/m) 100 (329) Inter conductor to inner shield RANSDUCER (Excluding cable) pF 6 RANSDUCER (Excluding cable) FFT (pF/m) 100 (329) INTROMENTAL CHARACTERISTICS EMPERATURE RANGE RANSDUCER/RAMADLINE CABLE [5] -67°°F to +1200°F (-55°C to +650°C) INTROMETAL CHARACTERISTICS INTROMETAL CHARACTERISTICS INTROMETOR LIMIT g 500 INTROMETOR LIMIT g 500 HYSICAL CHARACTERISTICS INTROMETOR LIMIT g 1000 HYSICAL CHARACTERISTICS INTROMETOR LIMIT g 1000 HYSICAL CHARACTERISTICS INTROMETOR LIMIT g 2000 HYSICAL CHARACTERISTICS INTROMETOR CABLE TRANSPORT INTROMETOR LIMIT g 500 HYSICAL CHARACTERISTICS INTROMETOR CABLE TRANSPORT INTROMETOR CABLE SEMISITIVITY P (0) RANSPERSE SEMISITIVITY P (0) CABLE 3900C XXX CABLE ASSEMBLY TIONAL DOUNTING TORQUE IDFin (Nm) 18 (2) CESSORY N EHHT MOUNTING SCREW, 10-32 x 0.75 in, 12 pt DIAL JONE (2000 LAB SEMISURY) PC/g RANSPERSE SEMISITIVITY % APACITANCE PF TONAL DIAL 2.5% form 900 L2 and 2.5% form 900 L2 an			kΩ	≥ 10
i +1200°F (+650°C) k0 ≥ 500 ARDLINE CABLE RESISTIVITY k0-ft 100 ARADLINE CABLE RESISTIVITY k0-ft 100 ARADLINE CABLE RESISTIVITY k0-ft 100 ARADDURE CABLE CAPACITANCE PF/ft (pF/m) 100 (328) inter conductor inner shield inter conductor inner shield inter conductor inner shield IROUNDING SIgnal return isolated from case NVIROMMENTAL CHARACTERISTICS EMPERATURE RANGE RANSDUCER/ARADLINE CABLE [5] -67°F to +1200°F (-55°C to +650°C) IONNECTOR -67°F to +1200°F (-55°C to +650°C) IONNECTOR -67°F to +200°F (-55°C to +650°C) IONNECTOR EPONY HOCK LIMIT g 500 INUSOIDAL VIBRATION LIMIT g 500 INUSOIDAL VIBRATION LIMIT g 500 INUSOIDAL VIBRATION LIMIT g 2000 INUSOIDAL VIBRATION LIMIT g 2000 INUSOIDAL VIBRATION LIMIT g 100 (22) INISOIDAL VIBRATION LIMIT g C000 INISOIDAL VIBRATION LIMIT g S00 INISOIDAL VIBRATION LIMIT g C00 INISOIDAL VIBRATION LIMIT g S00 INISOIDAL CARACTERISTICS INISOIDAL CARACTERISTICS INISOIDAL CARACTERISTICS INISOIDAL VIBRATION LIMIT 9 INISOIDA S00 INISOIDA S00	SOLATION			
ARDLINE CABLE RESISTIVITY     kΩ-ft     100       ARDLINE CABLE RESISTIVITY     kΩ-ft     100       ARDLINE CABLE CAPACTRACE     pF/ft (pF/m)     100 (328)       FADLINE CABLE CAPACTRACE     pF/ft (pF/m)     100 (328)       Interconductor to inner shield     Signal return isolated from case       SIQUINDING     Signal return isolated from case       NVIRONMENTAL CHARACTERISTICS     -67°F to +1200°F (-55°C to +260°C)       EMPERATURE RANGE     -67°F to +500°F (-55°C to +260°C)       NUNEONMETAL CHARACTERISTICS     Open to environment via vent hole in splash protected area       ENNERCICR     -67°F to +500°F (-55°C to +260°C)       INUMONITY     g     500       NONECTOR     -67°F to +500°F (-55°C to +260°C)       INUSOIDAL VIBRATION LIMIT     g     500       INUSOIDAL VIBRATION LIMIT     g     500       WHSICAL CHARACTERISTICS     Incornel       INUSOIDAL VIBRATION     gm (oz)     30 (1,1)       ASE MATERIAL     Incornel       IARDLINE CABLE     Traxial, 0.036 inch diameter, incornel jacketed, mineral oxide insulated       CONNECTOR     Coaxial receptacle with 10-32 UNF threads designed to make with ENDEVCO 3000 Series       COUNTING TORQUE     Iof-in (Nm)     18 (2)       ALIBRATION     IUPPLIED:     PF       CESSORY     Seints of greater than +100°F (+33°C)			kO	> 500
wo places at +120°F (+650°C) ARACITANCE RANSDUCER (Excluding cable) pF 60 ARNDUNE CABLE CAPACITANCE pF/ft (pF/m) 100 (328) inter conductor to inner shield iROUNDING Signal return isolated from case NVIROMENTAL CHARACTERISTICS EMPERATURE RANGE RANSDUCER/HARDLINE CABLE [5] -67°F to +1200°F (-55°C to +650°C) -67°F to +1200°F (-55°C to +650°C) -67°F to +500°F (-55°C to +550°C) -67°F to +500°F (-55°C to +550°C) -60°C LAINT -70°C LAINT				
APACITANCE RANSDUCER (Excluding cable) pF F(fr (pF/m) 100 (328) inter-conductor to inner shield Signal return isolated from case Signal r			R42 II	100
RANSDUCER (Excluding cable) pF (ARDLINE CABLE CAPACITANCE pF/ft (pF/m) 100 (328) intere conductor to inner shield Signal return isolated from case Signal return isolated fr		(1000 0)		
IARDLINE CABLE CAPACITANCE       pF/ft (pF/m)       100 (328)         ienter conductor to inner shield       Signal return isolated from case         INVIRONMENTAL CHARACTERISTICS       Signal return isolated from case         INVIRONMENTAL CHARACTERISTICS       -67"F to +1200"F (-55"C to +650"C)         IONNECTOR       -67"F to +1200"F (-55"C to +260"C)         IONNECTOR       -67"F to +500"F (-55"C to +260"C)         IONNECTOR       Epoxy sealed, non-hermetic         INUSOIDAL VIBRATION LIMIT       g       500         HOCK LIMIT       g       2000         HYSICAL CHARACTERISTICS       See Outline Drawing         VIEIGHT (Excluding cable)       gm (oz)       30 (1.1)         ASD MATERIAL       Inconel       mineral oude insulated         MIRENSIONS       See Outline Drawing       designed to mate with ENDE VCO 3000 Series         Cable ASSENDIT or equivalent. Receptacle with 10-32 UNF threads       designed to mate with ENDE VCO 3000 Series         Cable ASSENDIT or equivalent. Receptacle must be handled with care       be handled with care         IOUNTING TORQUE       Ibf-in (Nm)       18 (2)		ding cable)	nF	60
ierter conductor to inner shield SROUNDING Signal return isolated from case NVIRONMENTAL CHARACTERISTICS EMPERATURE RANCE RANSDUCER/HARDLINE CABLE [5] OPEN to +500°F (-55°C to +650°C) OONNECTOR OPEN to +500°F (-55°C to +260°C) UMIDITY RANSDUCER/CABLE OPEN to +500°F (-55°C to +260°C) UMIDITY RANSDUCER/CABLE OPEN to environment via vent hole in splash protected area CONNECTOR Deen to environment via vent hole in splash protected area CONNECTOR OPEN to environment via vent hole in splash protected area CONNECTOR OPEN to environment via vent hole in splash protected area CONNECTOR OPEN to environment via vent hole in splash protected area CONNECTOR OPEN to environment via vent hole in splash protected area CONNECTOR OPEN to environment via vent hole in splash protected area CONNECTOR OPEN to environment via vent hole in splash protected area CONNECTOR OPEN to environment via vent hole in splash protected area CONNECTOR OPEN to environment via vent hole in splash protected area CONNECTOR OPEN to environment via vent hole in splash protected area CONNECTOR OPEN to environment via vent hole in splash protected area CONNECTOR OPEN to environment via vent hole in splash protected area CONNECTOR OPEN to environment via vent hole in splash protected area CONNECTOR CORE CORE CORE CORE CORE CORE CORE CO				
IROUNDING     Signal return isolated from case       INVIRONMENTAL CHARACTERISTICS       EMPERATURE RANGE       RANSDUCER/HARDLINE CABLE [5]     -67°F to +1200°F (-55°C to +650°C)       IUMIDITY     -67°F to +500°F (-55°C to +260°C)       INUSCOLCER/CABLE     -67°F to +500°F (-50°C)       INUSCOLCER/CABLE     -67°F to +500°F (-50°C)       INUSCOLCER/CABLE     -67°F to +500°F (-20°C)       INUSCOLCER/CABLE     -6000       INUSCOLCER/CABLE     -6000       INUSCOLCER/CABLE     -6000       INUSCOLCER/CABLE     -6000       INUSCOLCER/CABLE     -6000			p=/ft (p=/m)	100 (328)
NVRONMENTAL CHARACTERISTICS         EMPERATURE RANGE RANSDUCER/HARDLINE CABLE [5]       -67"F to +1200"F (-55"C to +650"C)         IUMIDITY RANSDUCER/CABLE       Open to environment via vent hole in splash protected area         IONNECTOR       Epoxy sealed, non-hermetic         INUSOIDAL VIBRATION LIMIT       g         1NUSCIDAL VIBRATION LIMIT       g         1NUSCIDAL VIBRATION LIMIT       g         2000       HYSICAL CHARACTERISTICS         IMENSIONS       See Outline Drawing         VEIGHT (Excluding cable)       gm (oz)         30 (11)       XSE MATERIAL         IARDLINE CABLE       Triaxial, 0.095 inch diameter, Inconel jacketed, mineral oxide insulated         CONNECTOR       Coaxial receptacle with 10-32 UNF threads designed to mate with ENDEVCO 3000 Series Cable Assembly or equivalent. Receptacle must be handled with care         KOUNTING TORQUE       Ibf-in (Nm)       18 (2)         ALIBRATION UPPLIED: :HARGE SENSITIVITY       pC/g RANSVERSE SENSITIVITY       Sients of greater than +100"F (+38"C) per minute.         YTONAL DDEL 30900-XXX       CABLE ASSEMBLY       The electrical resistance of piezoelectric materials decreases or an increase in temperature and can approach 10 0000 at +1200"F (+260"C).         PTES       Frequency response is controlled by the resonance character- istics of the transducer. Estimated calibration errors are ±1.5%, OB 00 Hz at 25% from 00 Hz to 5000 Hz.       <		ner shield		
EMPERATURE RANGE RANSDUCER/HARDLINE CABLE [5] -67"F to +1200°F (-55°C to +650°C) ONNECTOR -67"F to +500°F (-55°C to +260°C) UIMIDITY RANSDUCER/CABLE Open to environment via vent hole in splash protected area ONNECTOR DOPEN to environment via vent hole in splash protected area ONNECTOR DOPEN to environment via vent hole in splash protected area ONNECTOR DOPEN to environment via vent hole in splash protected area ONNECTOR DOPEN to environment via vent hole in splash protected area ONNECTOR DOPEN to environment via vent hole in splash protected area ONNECTOR DOPEN to environment via vent hole in splash protected area ONNECTOR DOPEN to environment via vent hole in splash protected area ONNECTOR DOPEN to environment via vent hole in splash protected area ONNECTOR DEL VIBRATION UFGENT (Excluding cable) gm (o2) ONNECTOR Coasial receptacle with 10-32 UNF threads designed to mate with ENDEVCO 3000 Series Cable Assembly or equivalent. Receptacle must be handled with care NOUNTING TORQUE Ibf-in (Nm) 18 (2) SALIBRATION UPPLIED: HARGE SENSITIVITY PC/g RANSVERSE SENSITIVITY V CABLE ASSEMBLY TICNAL DDEL 3090C-XXX CABLE ASSEMBLY TICS Frequency response is controlled by the resonance character- istics of the transducer. Estimated calibration errors are 41.5% to 900 Hz and 2.5% from 900 Hz to 5000 Hz.	GROUNDING			Signal return isolated from case
EMPERATURE RANGE RANSDUCER/HARDLINE CABLE [5] -67"F to +1200°F (-55°C to +260°C) ODNNECTOR -67"F to +500°F (-55°C to +260°C) UIMIDITY RANSDUCER/CABLE Open to environment via vent hole in splash protected area ONNECTOR DOPEN SONY sealed, non-hermetic IIVUSOIDAL VIBRATION LIMIT g 500 HOCK LIMIT g 500 HYSICAL CHARACTERISTICS IIVUSOIDAL VIBRATION LIMIT g 500 HYSICAL CHARACTERISTICS IIVUSOIDAL VIBRATION LIMIT g 500 HYSICAL CHARACTERISTICS IIVUSOIDAL VIBRATION LIMIT g 500 HYSICAL CHARACTERISTICS IIVUSOIDAL SONNECTOR See Outline Drawing VEGHT (Excluding cable) gm (o2) 30 (1.1) ARDLINE CABLE Intravial, 0.095 inch diameter, Inconel jacketed, mineral oxide insulated CONNECTOR Coasial receptacle with 10-32 UNF threads designed to mate with ENDEVCO 3000 Series Cable Assembly or equivalent. Receptacle must be handled with care NOUNTING TORQUE Ibf-in (Nm) 18 (2) ALIBRATION UPPLIED: HARGE SENSITIVITY pC/g RANSVERSE SENSITIVITY % APACITANCE pF CCESSORY N EH471 MOUNTING SCREW, N EH472 MOUNTING SCREW, N EH473 MOUNTING SCREW, N EH474 MOUNTING SCREW, N EH474 MOUNTING SCREW, N EH473 MOUNTIN				
RANSDUCER/HARDLINE CABLE [5]				
CONNECTOR       -67*F to +500*F (-55°C to +260*C)         UUMIDITY       Gopen to environment via vent hole in splash protected area         CONNECTOR       Epoxy sealed, non-hermetic         CONNECTOR       500         HUNSIDIAL VIBRATION LIMIT       g         g       2000         HYSICAL CHARACTERISTICS       See Outline Drawing         VEIGHT (Excluding cable)       gm (oz)       30 (1.1)         ASE MATERIAL       Inconel         IARDLINE CABLE       Triaxial, 0.095 inch diameter, Inconel jacketed, mineral oxide insulated         VONNECTOR       Coaxial receptacle with 10-32 UNF threads         Cable Assembly or equivalent. Receptacle with ENDEVCO 3000 Series       Cable Assembly or equivalent. Receptacle with DNEVCO 3000 Series         Cable Assembly or equivalent. Receptacle with 10-32 UNF threads       designed to mate with ENDEVCO 3000 Series         Cable Assembly or equivalent. Receptacle with 10-32 UNF threads       designed to mate with ENDEVCO 3000 Series         Cable Assembly or equivalent. Receptacle with 10-32 UNF threads       designed to mate with ENDEVCO 3000 Series         Cable Assembly or equivalent. Receptacle with 10-32 UNF threads       designed to mate with ENDEVCO 3000 Series         Cable Assembly       The electrical resistance of piezoelectric materials decreases tai in temperature and can approach 10 0000 at at increase in temperature and can approach 10 0000 at at increase in tempe				
IUMIDITY       RANSDUCER/CABLE       Open to environment via vent hole in splash protected area         CONNECTOR       Epoxy sealed, non-hermetic         INUSOIDAL VIBRATION LIMIT       g       500         HOCK LIMIT       g       2000         HYSICAL CHARACTERISTICS       See Outline Drawing         IMENSIONS       See Outline Drawing         VEIGHT (Excluding cable)       gm (oz)       30 (1.1)         ASE MATERIAL       Incomel         IARDLINE CABLE       Triaxial, 0.095 inch diameter, Inconel jacketed, mineral oxide insulated         CONNECTOR       Coaxial receptace with 10-32 UNF threads designed to mate with ENDEVCO 3000 Series Cable Assembly or equivalent. Receptacle must be handled with care         MOUNTING TORQUE       Ibf-in (Nm)       18 (2)         ALIBRATION       UPPLIED:         HARDSVERSE SENSITIVITY       %         APACITANCE       pF         CESSORY       NOUNTING SCREW, 10-32 x 0.75 in, 12 pt         TORAL       10-32 x 0.75 in, 12 pt         TOTORL       DDEL 3090C-XXX         CABLE ASSEMBLY       For cable lengths of less than 12 inches (0.30 m), the maximu operating temperature and can approach 10 00002 at +1200°F (+650°C).         Frequency response is controlled by the resonance characterristics of the transducer. Estimated calibration errors are ±1.5%         Frequ		LINE CABLE [5]		
RANSDUCER/CABLE     Open to environment via vent hole in splash protected area       CONNECTOR     Epoxy sealed, non-hermetic       INUSOIDAL VIBRATION LIMIT     g     500       HYSICAL CHARACTERISTICS     g     2000       HYSICAL CHARACTERISTICS     See Outline Drawing     WEIGHT (Excluding cable)       IMEINSIONS     See Outline Drawing       VEIGHT (Excluding cable)     gm (oz)     30 (1.1)       RASE MATERIAL     Inconel       IARDLINE CABLE     Triaxial, 0.095 inch diameter, Inconel jacketed, mineral oxide insulated       CONNECTOR     Coaxial receptacle with 10-32 UNF threads designed to mate with ENDEVCO 3000 Series Cable Assembly or equivalent. Receptacle must be handled with care       ROUNTING TORQUE     Ibf-in (Nm)     18 (2)       RANSVERSE SENSITIVITY     pC/g       RANSVERSE SENSITIVITY     pC/g       RANSVERSE SENSITIVITY     pC/g       RANSVERSE SENSITIVITY     pC/g       SITUAL     10-32 x 0.75 in, 12 pt       TONAL     10-32 x 0.75 in, 12 pt       TORAL     CABLE ASSEMBLY       DDEL 3090C-XXX     CABLE ASSEMBLY	CONNECTOR			-67°F to +500°F (-55°C to +260°C)
CONNECTOR     protected area       Epoxy sealed, non-hermetic       INUSCIDAL VIBRATION LIMIT     g       HOCK LIMIT     g       HOCK LIMIT     g       HOCK LIMIT     g       HYSICAL CHARACTERISTICS       IMENSIONS     See Outline Drawing       VEIGHT (Excluding cable)     gm (oz)       ASE MATERIAL     Inconel       IARDLINE CABLE     Triaxial, 0.095 inch diameter, Inconel jacketed, mineral oxide insulated       CONNECTOR     Coaxial receptacle with 10-32 UNF threads designed to mate with ENDEVCO 3000 Series Cable Assembly or equivalent. Receptacle must be handled with care       MOUNTING TORQUE     Ibf-in (Nm)       MUUNTING TORQUE     Ibf-in (Nm)       VIPPLIED:     PF       CCESSORY     sients of greater than +100°F (+38°C) per minute.       YINOAL     PF       CCESSORY     Sients of greater than +100°F (+38°C) per minute.       YINOAL     DOEL 3090C-XXX       OPES     Sients of greater than +100°F (+38°C) per minute.       Frequency response is controlled by the resonance character- istics of the transducer. Estimated calibration errors are ±1.5%       OB 900 Hz and 2.5% from 900 Hz to 500 Hz.	HUMIDITY			
CONNECTOR       Epoxy sealed, non-hermetic         INUSCIDAL VIBRATION LIMIT       g       500         HYGCK LIMIT       g       2000         HYSICAL CHARACTERISTICS       g       2000         HYSICAL CHARACTERISTICS       See Outline Drawing         VEIGHT (Excluding cable)       gm (oz)       30 (1.1)         IARDLINE CABLE       Triaxial, 0.095 inch diameter, Inconel jacketed, mineral oxide insulated         CONNECTOR       Coaxial receptacle with 10-32 UNF threads designed to mate with ENDEVCO 3000 Series Cable Assembly or equivalent. Receptacle must be handled with care         IOUNTING TORQUE       Ibf-in (Nm)       18 (2)         ALIBRATION	TRANSDUCER/CABL	E		Open to environment via vent hole in splash
INUSOIDAL VIBRATION LIMIT       g       500         IHOCK LIMIT       g       2000         HYSICAL CHARACTERISTICS       See Outline Drawing         VEIGHT (Excluding cable)       gm (oz)       30 (1.1)         ASE MATERIAL       Inconel         IARDLINE CABLE       Triaxial, 0.095 inch diameter, Inconel jacketed, mineral oxide insulated         CONNECTOR       Coaxial receptacle with 10-32 UNF threads designed to mate with ENDEVCO 3000 Series Cable Assembly or equivalent. Receptacle must be handled with care         IOUNTING TORQUE       Ibf-in (Nm)       18 (2)         ALIBRATION       UPPLIED:         WUPPLIED:       PF         CCESSORY       Sients of greater than +100°F (+38°C) per minute.         YIONAL       10-32 x 0.75 in, 12 pt         YIONAL       DOEL 3090C-XXX       CABLE ASSEMBLY         OTES       Frequency response is controlled by the resonance character-istics of the transducer. Estimated calibration errors are ±1.5% to 900 Hz. dottool Hz.       5. For cable lengths of less than 12 inches (0.30 m), the maximu operating temperature is +500°F (+260°C). The temperature charge deviation at +500°F (+260°C). The temperature charge deviation at +500°F (+260°C). The temperature charge deviation at +600°F (+260°C). The temperature charge deviation at evels of precision and accuracy using Endevco' factory calibration services. Call Endevco's inside sales force				protected area
INUSOIDAL VIBRATION LIMIT       g       500         IHOCK LIMIT       g       2000         HYSICAL CHARACTERISTICS       See Outline Drawing         VEIGHT (Excluding cable)       gm (oz)       30 (1.1)         ASE MATERIAL       Inconel         IARDLINE CABLE       Triaxial, 0.095 inch diameter, Inconel jacketed, mineral oxide insulated         CONNECTOR       Coaxial receptacle with 10-32 UNF threads designed to mate with ENDEVCO 3000 Series Cable Assembly or equivalent. Receptacle must be handled with care         IOUNTING TORQUE       Ibf-in (Nm)       18 (2)         ALIBRATION       UPPLIED:         WUPPLIED:       PF         CCESSORY       Sients of greater than +100°F (+38°C) per minute.         YIONAL       10-32 x 0.75 in, 12 pt         YIONAL       DOEL 3090C-XXX       CABLE ASSEMBLY         OTES       Frequency response is controlled by the resonance character-istics of the transducer. Estimated calibration errors are ±1.5% to 900 Hz. dottool Hz.       5. For cable lengths of less than 12 inches (0.30 m), the maximu operating temperature is +500°F (+260°C). The temperature charge deviation at +500°F (+260°C). The temperature charge deviation at +500°F (+260°C). The temperature charge deviation at +600°F (+260°C). The temperature charge deviation at evels of precision and accuracy using Endevco' factory calibration services. Call Endevco's inside sales force	CONNECTOR			Epoxy sealed, non-hermetic
HOCK LIMIT       g       2000         HYSICAL CHARACTERISTICS       IMENSIONS       See Outline Drawing         IMENSIONS       See Outline Drawing         VEIGHT (Excluding cable)       gm (oz)       30 (1.1)         IARDLINE CABLE       Inconel         IARDLINE CABLE       Triaxial, 0.095 inch diameter, Inconel jacketed, mineral oxide insulated         CONNECTOR       Coaxial receptacle with 10-32 UNF threads designed to mate with ENDEVCO 3000 Series Cable Assembly or equivalent. Receptacle must be handled with care         MOUNTING TORQUE       Ibf-in (Nm)       18 (2)         CALIBRATION       UPPLIED:         HARGE SENSITIVITY       %         APACITANCE       pF         CCESSORY       NOUNTING SCREW, 10-32 x 0.75 in, 12 pt         DEL 3090C-XXX       CABLE ASSEMBLY         DTES       Frequency response is controlled by the resonance characteristics of the transducer. Estimated calibration errors are ±1.5% to 900 Hz and 2.5% from 900 Hz to 5000 Hz.	SINUSOIDAL VIBRAT	ION LIMIT	a	· · ·
HYSICAL CHARACTERISTICS         WIMENSIONS       See Outline Drawing         VEIGHT (Excluding cable)       gm (oz)       30 (1.1)         ASE MATERIAL       Inconel         IARDLINE CABLE       Triaxial, 0.095 inch diameter, Inconel jacketed, mineral oxide insulated         CONNECTOR       Coaxial receptacle with 10-32 UNF threads designed to mate with ENDEVCO 3000 Series Cable Assembly or equivalent. Receptacle must be handled with care         MOUNTING TORQUE       Ibf-in (Nm)       18 (2)         ALIBRATION       UPPLIED:         HARSUERSE SENSITIVITY       %         AARDER SENSITIVITY       %         MOUNTING SCREW, N. EH471       MOUNTING SCREW, 10-32 x 0.75 in, 12 pt         PTIONAL       DOEL 3090C-XXX         DDEL 3090C-XXX       CABLE ASSEMBLY         STES       Frequency response is controlled by the resonance characteristics of the transducer. Estimated calibration errors are ±1.5% to 900 Hz and 2.5% from 900 Hz to 5000 Hz.		-		
MENSIONS       See Outline Drawing         VEIGHT (Excluding cable)       gm (oz)       30 (1.1)         CASE MATERIAL       Inconel         IARDLINE CABLE       Triaxial, 0.095 inch diameter, Inconel jacketed, mineral oxide insulated         CONNECTOR       Coaxial receptacle with 10-32 UNF threads designed to mate with ENDEVCO 3000 Series Cable Assembly or equivalent. Receptacle must be handled with care         MOUNTING TORQUE       Ibf-in (Nm)       18 (2)         ALIBRATION       UPPLIED:         CHARGE SENSITIVITY       pC/g         RANSVERSE SENSITIVITY       pF         CCESSORY       N EH471         MOUNTING SCREW, 10-32 x 0.75 in, 12 pt       pF         TIONAL       DDEL 3090C-XXX         CABLE ASSEMBLY       5         OTES       Frequency response is controlled by the resonance characteristics of the transducer. Estimated calibration errors are ±1.5% to 900 Hz and 2.5% from 900 Hz to 5000 Hz.       Sients of greater than +100°F (+38°C) per minute.         Compact Alignment of the transducer. Estimated calibration errors are ±1.5%       Sients of greater than +100°F (+38°C) per minute.         The electrical resistance of piezoelectric materials decreases we an increase in temperature and can approach 10 0000 at +1200°F (+450°C).       Sients of greater than +100°F (+280°C). The temperature charge deviation at +500°F (+260°C). The temperature charge deviation at +500°F (+260°C). The temperature charge deviation at +500°F			9	
MENSIONS       See Outline Drawing         VEIGHT (Excluding cable)       gm (oz)       30 (1.1)         CASE MATERIAL       Inconel         IARDLINE CABLE       Triaxial, 0.095 inch diameter, Inconel jacketed, mineral oxide insulated         CONNECTOR       Coaxial receptacle with 10-32 UNF threads designed to mate with ENDEVCO 3000 Series Cable Assembly or equivalent. Receptacle must be handled with care         MOUNTING TORQUE       Ibf-in (Nm)       18 (2)         ALIBRATION       UPPLIED:         CHARGE SENSITIVITY       pC/g         RANSVERSE SENSITIVITY       pF         CCESSORY       N EH471         MOUNTING SCREW, 10-32 x 0.75 in, 12 pt       pF         TIONAL       DDEL 3090C-XXX         CABLE ASSEMBLY       5         OTES       Frequency response is controlled by the resonance characteristics of the transducer. Estimated calibration errors are ±1.5% to 900 Hz and 2.5% from 900 Hz to 5000 Hz.       Sients of greater than +100°F (+38°C) per minute.         Compact Alignment of the transducer. Estimated calibration errors are ±1.5%       Sients of greater than +100°F (+38°C) per minute.         The electrical resistance of piezoelectric materials decreases we an increase in temperature and can approach 10 0000 at +1200°F (+450°C).       Sients of greater than +100°F (+280°C). The temperature charge deviation at +500°F (+260°C). The temperature charge deviation at +500°F (+260°C). The temperature charge deviation at +500°F	PHYSICAL CHARACT	TERISTICS		
VEIGHT (Excluding cable)       gm (oz)       30 (1.1)         IARD LINE CABLE       Inconel         IARDLINE CABLE       Triaxial, 0.095 inch diameter, Inconel jacketed, mineral oxide insulated         CONNECTOR       Coaxial receptacle with 10-32 UNF threads designed to mate with ENDEVCO 3000 Series Cable Assembly or equivalent. Receptacle must be handled with care         MOUNTING TORQUE       Ibf-in (Nm)       18 (2)         ALIBRATION       UPPLIED:         HARGE SENSITIVITY       pC/g         RANSVERSE SENSITIVITY       %         APACITANCE       pF         CCESSORY       NEH471         MOUNTING SCREW, 10-32 x 0.75 in, 12 pt       sients of greater than +100°F (+38°C) per minute.         The electrical resistance of piezoelectric materials decreases or an increase in temperature and can approach 10 000Ω at +1200°F (+650°C).         Frequency response is controlled by the resonance characteristics of the transducer. Estimated calibration errors are ±1.5% to 900 Hz and 2.5% from 900 Hz to 5000 Hz.       Sients of greater than +500°F (+260°C). The temperature charge deviation at +5				See Outline Drawing
ASE MATERIAL       Inconel         IARDLINE CABLE       Triaxial, 0.095 inch diameter, Inconel jacketed, mineral oxide insulated         CONNECTOR       Coaxial receptacle with 10-32 UNF threads designed to mate with ENDEVCO 3000 Series Cable Assembly or equivalent. Receptacle must be handled with care         IOUNTING TORQUE       Ibf-in (Nm)         IUPPLIED:       HARGE SENSITIVITY         HARGE SENSITIVITY       %         APACITANCE       pF         CCESSORY       N EH471         N EH471       MOUNTING SCREW, 10-32 x 0.75 in, 12 pt         DDEL 3090C-XXX       CABLE ASSEMBLY         DTES       Frequency response is controlled by the resonance characteristics of the transducer. Estimated calibration errors are ±1.5% to 900 Hz.         Sitics of the transducer. Estimated calibration errors are ±1.5% to 900 Hz.       Sale Solor F (+260°C) is typically +8%.		able)	am (oz)	•
IARDLINE CABLE       Triaxial, 0.095 inch diameter, Inconel jacketed, mineral oxide insulated         CONNECTOR       Coaxial receptacle with 10-32 UNF threads designed to mate with ENDEVCO 3000 Series Cable Assembly or equivalent. Receptacle must be handled with care         MOUNTING TORQUE       Ibf-in (Nm)         ALIBRATION       18 (2)         CALIBRATION       PC/g         RANSVERSE SENSITIVITY       %         ARAGUTANCE       pF         CCESSORY       N EH471         MOUNTING SCREW, 10-32 x 0.75 in, 12 pt       sients of greater than +100°F (+38°C) per minute.         TOBL       ODEL 3090C-XXX         CABLE ASSEMBLY       sients of greater than +100°F (+260°C).         The electrical resistance of piezoelectric materials decreases of an increase in temperature and can approach 10 000Ω at +1200°F (+650°C).         TOTES       Frequency response is controlled by the resonance character-istics of the transducer. Estimated calibration errors are ±1.5% to 900 Hz and 2.5% from 900 Hz to 5000 Hz.         Frequency response is controlled by the resonance character-istics of the transducer. Estimated calibration errors are ±1.5% to 900 Hz and 2.5% from 900 Hz to 5000 Hz.	· · ·		giii (02)	
mineral oxide insulated         CONNECTOR       Coaxial receptacle with 10-32 UNF threads         designed to mate with ENDEVCO 3000 Series       Cable Assembly or equivalent. Receptacle must be handled with care         MOUNTING TORQUE       Ibf-in (Nm)       18 (2)         ALIBRATION       UPPLIED:         CHARGE SENSITIVITY       pC/g         RANSVERSE SENSITIVITY       %         CAPACITANCE       pF         CCESSORY       NEH471         MOUNTING SCREW,       10-32 x 0.75 in, 12 pt         TIONAL       DDEL 3090C-XXX         CABLE ASSEMBLY       Sients of greater than +100°F (+38°C) per minute.         4. The electrical resistance of piezoelectric materials decreases v an increase in temperature and can approach 10 0000 at +120°F (+650°C).         5. For cable lengths of less than 12 inches (0.30 m), the maximu operating temperature is +500°F (+260°C). The temperature charge deviation at +500°F (+260°C).         5. For cable lengths of less than 12 inches (0.30 m), the maximu operating temperature is +500°F (+260°C).         5. For cable lengths of less than 12 inches (0.30 m), the maximu operating temperature is +500°F (+260°C).         5. For cable lengths of precision and accuracy using Endevco' factory calibration services. Call Endevco's inside sales force to an operating former of the same sales force to an operating former of the same sales force to an operating former of the same sales force to an operating former of the same sales force to an operating fo				
CONNECTOR       Coaxial receptacle with 10-32 UNF threads designed to mate with ENDEVCO 3000 Series Cable Assembly or equivalent. Receptacle must be handled with care         MOUNTING TORQUE       Ibf-in (Nm)       18 (2)         CALIBRATION       UPPLIED:         CHARGE SENSITIVITY       pC/g         RANSVERSE SENSITIVITY       %         APACITANCE       pF         CCESSORY N EH471       MOUNTING SCREW, 10-32 x 0.75 in, 12 pt         TIONAL DDEL 3090C-XXX       CABLE ASSEMBLY         DTES Frequency response is controlled by the resonance character- istics of the transducer. Estimated calibration errors are ±1.5% to 900 Hz and 2.5% from 900 Hz.       Sients of greater than +100°F (+38°C) per minute.         4.       The electrical resistance of piezoelectric materials decreases of an increase in temperature and can approach 10 000Ω at +1200°F (+650°C).         5.       For cable lengths of less than 12 inches (0.30 m), the maximu operating temperature is +500°F (+260°C). The temperature charge deviation at +500°F (+260°C). The temperature to 900 Hz and 2.5% from 900 Hz.	HARDLINE CABLE			
designed to mate with ENDEVCO 3000 Series Cable Assembly or equivalent. Receptacle must be handled with care         MOUNTING TORQUE       lbf-in (Nm)         ALIBRATION UPPLIED: CHARGE SENSITIVITY       pC/g         RANSVERSE SENSITIVITY       pC/g         RANSVERSE SENSITIVITY       %         APACITANCE       pF         CCESSORY N EH471       MOUNTING SCREW, 10-32 x 0.75 in, 12 pt         TIONAL DDEL 3090C-XXX       CABLE ASSEMBLY         TES Frequency response is controlled by the resonance character- istics of the transducer. Estimated calibration errors are ±1.5% to 900 Hz and 2.5% from 900 Hz to 5000 Hz.       sients of greater than +100°F (+280°C) per minute.         4.       The electrical resistance of piezoelectric materials decreases of an increase in temperature and can approach 10 000Ω at +1200°F (+650°C).         5.       For cable lengths of less than 12 inches (0.30 m), the maximu operating temperature is +500°F (+260°C). The temperature charge deviation at +500°F (+260°C). The temperature to 900 Hz and 2.5% from 900 Hz to 5000 Hz.				
Cable Assembly or equivalent. Receptacle must be handled with care         IOUNTING TORQUE       Ibf-in (Nm)         IOUPLIED:       PC/g         RANSVERSE SENSITIVITY       pC/g         RANSVERSE SENSITIVITY       %         APACITANCE       pF         CCESSORY N EH471       MOUNTING SCREW, 10-32 x 0.75 in, 12 pt         YIONAL DDEL 3090C-XXX       CABLE ASSEMBLY         DTES Frequency response is controlled by the resonance character- istics of the transducer. Estimated calibration errors are ±1.5% to 900 Hz and 2.5% from 900 Hz to 5000 Hz.       Sients of precision and accuracy using Endevco' factory calibration services. Call Endevco's inside sales force are operating temperature.	CONNECTOR			•
be handled with care         MOUNTING TORQUE       lbf-in (Nm)       18 (2)         CALIBRATION       HARGE SENSITIVITY       pC/g         RANSVERSE SENSITIVITY       pC/g         RANSVERSE SENSITIVITY       %         CCESSORY       pF         N EH471       MOUNTING SCREW, 10-32 x 0.75 in, 12 pt       pF         CTIONAL DDEL 3090C-XXX       CABLE ASSEMBLY       sients of greater than +100°F (+38°C) per minute.         YTIONAL DDEL 3090C-XXX       CABLE ASSEMBLY       Sients of greater than +100°F (+38°C) per minute.         YTIONAL DDEL 3090C-XXX       CABLE ASSEMBLY       Sients of greater than +100°F (+260°C).         YTIONAL DDEL 3090C-XXX       CABLE ASSEMBLY       Sients of less than 12 inches (0.30 m), the maximu operating temperature and can approach 10 000Ω at +1200°F (+260°C).         YTIONAL DDEL 3090C-XXX       CABLE ASSEMBLY       Sients of less than 12 inches (0.30 m), the maximu operating temperature is +500°F (+260°C). The temperature charge deviation at +500°F (+260°C) is typically +8%.         Maintain high levels of precision and accuracy using Endevco' factory calibration services. Call Endevco's inside sales force are prover area for the area				
IOUNTING TORQUE       Ibf-in (Nm)       18 (2)         CALIBRATION       UPPLIED:         UPPLIED:       pC/g         RANSVERSE SENSITIVITY       %         SAPACITANCE       pF         CCESSORY       MOUNTING SCREW, 10-32 x 0.75 in, 12 pt         N EH471       MOUNTING SCREW, 10-32 x 0.75 in, 12 pt         DDEL 3090C-XXX       CABLE ASSEMBLY         DTES       Frequency response is controlled by the resonance character- istics of the transducer. Estimated calibration errors are ±1.5% to 900 Hz and 2.5% from 900 Hz to 5000 Hz.				Cable Assembly or equivalent. Receptacle must
ALIBRATION         UPPLIED:         HARGE SENSITIVITY       pC/g         RANSVERSE SENSITIVITY       %         SAPACITANCE       pF         CCESSORY       MOUNTING SCREW, 10-32 x 0.75 in, 12 pt         TIONAL       DOEL 3090C-XXX         CABLE ASSEMBLY       5         Frequency response is controlled by the resonance character- istics of the transducer. Estimated calibration errors are ±1.5% to 900 Hz and 2.5% from 900 Hz to 5000 Hz.       sients of greater than +100°F (+38°C) per minute.         4.       The electrical resistance of piezoelectric materials decreases of an increase in temperature and can approach 10 000Ω at +1200°F (+650°C).         5.       For cable lengths of less than 12 inches (0.30 m), the maximu operating temperature is +500°F (+260°C). The temperature charge deviation at +500°F (+260°C) is typically +8%.         6.       Maintain high levels of precision and accuracy using Endevco' factory calibration services. Call Endevco's inside sales force trap energy energy of the sales force				be handled with care
BUPPLIED:       pC/g         RANSVERSE SENSITIVITY       %         RANSVERSE SENSITIVITY       %         APACITANCE       pF         CCESSORY N EH471       MOUNTING SCREW, 10-32 x 0.75 in, 12 pt         TIONAL DDEL 3090C-XXX       CABLE ASSEMBLY         TES Frequency response is controlled by the resonance character- istics of the transducer. Estimated calibration errors are ±1.5% to 900 Hz and 2.5% from 900 Hz to 5000 Hz.       sients of greater than +100°F (+38°C) per minute.         4.       The electrical resistance of piezoelectric materials decreases to an increase in temperature and can approach 10 000Ω at +1200°F (+650°C).         5.       For cable lengths of less than 12 inches (0.30 m), the maximu operating temperature is +500°F (+260°C). The temperature charge deviation at +500°F (+260°C) is typically +8%.         6.       Maintain high levels of precision and accuracy using Endevco' factory calibration services. Call Endevco's inside sales force core or area for and the transducer's inside sales force	MOUNTING TORQUE		lbf-in (Nm)	18 (2)
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<ul> <li>6. Maintain high levels of precision and accuracy using Endevco' factory calibration services. Call Endevco's inside sales force</li> </ul>	OTES			
to 900 Hz and 2.5% from 900 Hz to 5000 Hz.				
				800-982-6732 for recommended intervals, pricing and turn-arc
time for these services as well as for guestations on our stands	. Low-end response of the transducer is a function of its			
associated electronics. In the for these services as well as for quotations on our standa				time for these services as well as for quotations on our standa

Spurious high frequency discharge may be exhibited by this device for several minutes after exposure to temperature tran-3.

Continued product improvement necessitates that Endevco reserve the right to modify these specifications without notice. Endevco maintains a program of con-stant surveillance over all products to ensure a high level of reliability. This program includes attention to reliability factors during product design, the support of stringent Quality Control requirements, and compulsory corrective action procedures. These measures, together with conservative specifications have made the name Endevco synonymous with reliability.

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