Measurement Range	Model Number		CVI D DDECCIII	5 E	CENCOD	1		Re	vision: E
Measurement Range	113M231	1231 CVLD PRESSURE				SENSUR			
Sensitivity	Performance	<u>ENGLISH</u>	<u>SI</u>			OP	TIONAL VERSIC	NS	
Maximum Pressure	Measurement Range	100 psi	689.5 kPa	Optional versions have identical specifications and accessories				sories as listed for	the standard model
Resonant Frequency 2 200 kHz 2 200 kHz 2 200 kHz Rise Time 5 2.0 µ sec 2.0 µ	Sensitivity(± 15 %)	50 μA/psi	344.7 μA/kpa		ex	cept where noted b	elow. More than on	e option may be us	ed.
Rise Time	Maximum Pressure	1 kpsi	6895 kPa						
Low Frequency Response(-5 %) 0.5 Hz 0.5 Hz 0.5 Hz Non-Linearity ≤ 1.0 % FS ≤ 1.0 % FS (3) Environmental Acceleration Sensitivity ≤ 0.0035 kPa/(m/s²) Femperature Range(Operating) 4 to +176 F - 20 to +80 °C (11 Maximum Vibration 2000 g pk 19,614 m/s² pk Electrical Constant 2000 g pk 196,140 m/s² pk Electrical Connections (Fortive Pressure) Positive Discharge Time Constant ≥ 1.0 sec ≥ 1.0 sec Excitation Voltage(± 0.5 VDC) 15 VDC 15 VDC Settling Time < 7 sec < 10 sec ≥ 1.0 sed (10 kHz) 13 gen) Hz (10 kHz) 2 gen) Hz (10 kHz) 2 gen) Hz (10 kHz) 2 gen) Hz (10 kHz) 3 gen) Hz (10 kHz)	Resonant Frequency	≥ 200 kHz	≥ 200 kHz						
Non-Linearity	Rise Time	≤ 2.0 µ sec	≤ 2.0 µ sec						
Acceleration Sensitivity	Low Frequency Response(-5 %	6) 0.5 Hz	0.5 Hz						
Acceleration Sensitivity	Non-Linearity	≤ 1.0 % FS	≤ 1.0 % FS	[3]					
Temperature Rangel Operating	Environmental								
Temperature Coefficient of Sensitivity -0.03 %/F -0.054 %/C -0.054 %/C -0.054 m/s² pk 19,614 m/s² pk 19,614 m/s² pk 20,000 g pk -0.054 m/s² pk 19,614 m/s² pk 11 Typical 22 bias mA = 2.1 x Excitation VDC - 22.8 32 zero-based, least-squares, straight line method. 17 yero la last squares, straight line method. 17 yero last squares, straight line method. 2 zero-based, least-squares, straight line method. 2 zer	Acceleration Sensitivity	≤ 0.005 psi/g	$\leq 0.0035 \text{ kPa/(m/s}^2)$						
Maximum Vibration 2000 g pk 19,614 m/s² pk 196,140 m/s² pk 19	Temperature Range(Operating) -4 to +176 °F	-20 to +80 ℃						
Maximur Shock Electrical Positive Posi	Temperature Coefficient of Ser	nsitivity -0.03 %/F	-0.054 %/℃	[1]					
Notes:	Maximum Vibration	2000 g pk	19,614 m/s ² pk						
Output Polarity(Positive Pressure) Discharge Time Constant \$1.0 sec \$1.0 sec \$1.0 Sec \$1.0 Sec \$1.0 Sec \$2.1.0	Maximum Shock	20,000 g pk	196,140 m/s² pk						
Output Polarity(Positive Pressure) Discharge Time Constant 2 1.0 sec Excitation Voltage(± 0.5 VDC) 15 VDC Settling Time Spectral Noise(1 kHz) Spectral Noise(10 kHz) Spectral Noise(11 kHz) Spectral Noise(11 kHz) Spectral Noise(11 kHz) Spectral Noise(11	Electrical		•		NOTES:				
21.0 sec	Output Polarity(Positive Pressu	ıre) Positive	Positive						
Excitation Voltage(± 0.5 VDC) 15 VDC 15 VDC 5 vectiling Time 7 sec Spectral Noise(10 kHz) Spectr	Discharge Time Constant	≥ 1.0 sec	≥ 1.0 sec			x Excitation VDC -	22.8		
Spectral Noise(1 kHz)	Excitation Voltage(± 0.5 VDC)	15 VDC	15 VDC						
Spectral Noise(10 kHz) 32 µpsi/\Hz 4608 µPa/\Hz [1] Electrical Isolation ≥ 10 ⁸ Ohm ≥ 10 ⁸ Ohm 7 to 12 mA [2] Physical Sensing Geometry 7 to 12 mA 7 to 12 mA [2] Physical Sensing Geometry Compression Quartz Ouartz Housing Material 17-4 Stainless Steel Diaphragm 316L Stainless Steel 316L Stainless Steel Diaphragm 316L Stainless Steel Sealing Welded Hermetic Welded Hermetic Electrical Connections(center lead) Signal / Power Signal / Power Signal / Power Electrical Connections(braid) Ground Ground Weight(without cable) 0.51 oz 14.5 gm [1] Date: 2/14/2012 Date: 2/14/	Settling Time	<7 sec	<7 sec						
Electrical Isolation ≥ 10 ⁸ Ohm ≥ 10 ⁸ Ohm Bias Current 7 to 12 mA 7 to 12 mA 7 to 12 mA [2] Physical Sensing Geometry Sensing Geometry Sensing Element Ouartz Housing Material 17-4 Stainless Steel Diaphragm 316L Stainless Steel Oiaphragm 316L Stainless Steel Oiaphragm Sealing Welded Hermetic Welded Hermetic Electrical Connections(center lead) Signal / Power Electrical Connections(center lead) Signal / Power Electrical Connections(braid) Weight(without cable) O.51 oz 14.5 gm Cable Termination Blunt cut Blunt	Spectral Noise(1 kHz)	43 μpsi/√Hz	6192 µPa/√Hz	[1]					
Electrical Isolation ≥ 10 ⁸ Ohm ≥ 10 ⁸ Ohm Pias Current 7 to 12 mA 7 to 12 mA [2] Physical Sensing Geometry Compression Sensing Element Quartz Quartz Quartz Housing Material 17-4 Stainless Steel Coating Emralon Sealing Welded Hermetic Welded Hermetic Electrical Connections(center lead) Signal / Power Electrical Connections(braid) Weight(without cable) Quarts Weight(without cable) Quarts 17-4 Stainless Steel 316L Stainless Steel 316L Stainless Steel 316L Stainless Steel 316L Stainless Steel Signal / Power Blunt cut Weight(without cable) Quarts	Spectral Noise(10 kHz)	32 µpsi/√Hz	4608 µPa/√Hz	[1]					
Physical Sensing Geometry Compression Country Country Country Country Country Coating Coat	Electrical Isolation	≥ 10 ⁸ Ohm	≥ 10 ⁸ Ohm						
Physical Sensing Geometry Compression Country Country Country Country Country Coating Coat	Bias Current	7 to 12 mA	7 to 12 mA	[2]					
Sensing Element Quartz Quartz Housing Material 17-4 Stainless Steel Diaphragm 316L Stainless Steel Ocating Emralon Sealing Welded Hermetic Electrical Connections(center lead) Signal / Power Electrical Connections(braid) Weight(without cable) Cable Termination Cable Type Ø.12 santoprene jacket,coax,water blocked Cable Length All specifications are at room temperature unless otherwise specified. Quartz Alt stainless Steel Steel Stainless Steel Steel Signal / Power Signal	Physical								
Housing Material 17-4 Stainless Steel Diaphragm 316L Stainless Steel 316L Stainless Steel 316L Stainless Steel Coating Emralon Sealing Welded Hermetic Welded Hermetic Electrical Connections(center lead) Signal / Power Electrical Connections(braid) Weight(without cable) Cable Termination Blunt cut Cable Type Ø.12 santoprene jacket,coax,water blocked blocked Cable Length All specifications are at room temperature unless otherwise specified. 17-4 Stainless Steel 316L Stainless Steel 316L Stainless Steel Strinless Steel 316L Stainless Steel 4 Entered: DMW Engineer: do Sales: RWM Approved: BAM Spec Number: 4 Date: 2/14/2012	Sensing Geometry	Compression	Compression						
Housing Material 17-4 Stainless Steel Diaphragm 316L Stainless Steel 316L Stainless Steel 316L Stainless Steel Coating Emralon Sealing Welded Hermetic Welded Hermetic Electrical Connections(center lead) Signal / Power Electrical Connections(braid) Weight(without cable) Cable Termination Blunt cut Cable Type Ø.12 santoprene jacket,coax,water blocked blocked Cable Length All specifications are at room temperature unless otherwise specified. 17-4 Stainless Steel 316L Stainless Steel 316L Stainless Steel Strinless Steel 316L Stainless Steel 4 Entered: DMW Engineer: do Sales: RWM Approved: BAM Spec Number: 4 Date: 2/14/2012	Sensing Element	Quartz	Quartz						
Diaphragm 316L Stainless Steel Coating Emralon Welded Hermetic Welded Hermetic Electrical Connections(center lead) Signal / Power Electrical Connections(braid) Weight(without cable) Cable Termination Cable Type Ø.12 santoprene jacket,coax,water blocked blocked Cable Length All specifications are at room temperature unless otherwise specified. 316L Stainless Steel Emralon Welded Hermetic Welded Hermetic Welded Hermetic Signal / Power Sig	Housing Material	17-4 Stainless Steel	17-4 Stainless Steel						
Coating Emralon Emralon Sealing Welded Hermetic Welded Hermetic Electrical Connections(center lead) Signal / Power Signal / Power Electrical Connections(braid) Ground Ground Weight(without cable) 0.51 oz 14.5 gm [1] Cable Termination Blunt cut Cable Type Ø.12 santoprene jacket,coax,water blocked blocked Cable Length 20 ft 6 m All specifications are at room temperature unless otherwise specified. Emralon Welded Hermetic Welded Hermetic Welded Hermetic Signal / Power	Diaphragm	316L Stainless Steel	316L Stainless Steel						
Electrical Connections(center lead) Signal / Power Electrical Connections(braid) Weight(without cable) Cable Type Signal / Power Blunt cut Cable Length Cable Length All specifications are at room temperature unless otherwise specified. Entered: DMW Engineer: do Sales: RWM Approved: BAM Spec Number: Date: 2/14/2012 Date: 2/14/201	Coating	Emralon	Emralon						
Electrical Connections(center lead) Signal / Power Signal /	Sealing	Welded Hermetic	Welded Hermetic			1	1	1	1
Electrical Connections(braid) Weight(without cable) O.51 oz O.	ŭ	ead) Signal / Power	Signal / Power		Entered: DMW	Engineer: do	Sales: RWM	Approved: BAM	Spec Number:
Weight(without cable) 0.51 oz 14.5 gm [1] Cable Termination Blunt cut Cable Type Ø.12 santoprene jacket,coax,water blocked blocked Cable Length All specifications are at room temperature unless otherwise specified. 14.5 gm [1] Date: 2/14/2012 Date:	Electrical Connections(braid)	Ground				1	1	1	50000
Cable Termination Blunt cut Blunt cut Cable Type Ø.12 santoprene jacket,coax,water blocked blocked Cable Length 20 ft 6 m All specifications are at room temperature unless otherwise specified. Blunt cut B	Weight(without cable)	0.51 oz		[1]	Date: 2/14/2012	Date: 2/14/2012	Date: 2/14/2012	Date: 2/14/2012	50699
blocked blocked Cable Length 20 ft 6 m All specifications are at room temperature unless otherwise specified. blocked blocked 6 m Fhone: 716-684-0001 Fax: 716-686-9129 FRESSURE DIVISION F-Mail: info@nch.com	Cable Termination	Blunt cut					_	-	•
blocked blocked Cable Length 20 ft 6 m All specifications are at room temperature unless otherwise specified. blocked blocked 6 m Fhone: 716-684-0001 Fax: 716-686-9129 FRESSURE DIVISION F-Mail: info@nch.com	Cable Type	Ø.12 santoprene jacket,coax,water	Ø.12 santoprene jacket,coax,water						
Cable Length 20 ft 6 m Fax: 716-686-9129 All specifications are at room temperature unless otherwise specified. Fax: 716-686-9129 F-Mail: info@pcb.com		blocked	blocked			DIEZOTA		Phone: 7	16-694-0001
All specifications are at room temperature unless otherwise specified.	Cable Length	Cable Length 20 ft			WPCH	S PILZ(JI K	(L/N/L5		
	All specifications are at room to		DRESSIBI	FOMISION					
and interest of demokary product improvement, in a receive the right to charge openhations mandet holder.			ange specifications without notice.		3425 Walden Avenue, Depew, NY 14043				