

SERIES CXCN

UNAMPLIFIED
COMPENSATED AND
CALIBRATED (mV)

ACCURACY GRADE
C - COMMERCIAL (1.0%)
H - HIGH GRADE (0.50%)

PRESSURE RANGE  IN H₂O @

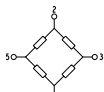
004, 010
00.3, 01, 05, 15, 30,
60, 100, 150, 240 PSID

PACKAGE TYPE
N - PLASTIC

PRESSURE REFERENCE
D - DIFFERENTIAL

NOTES

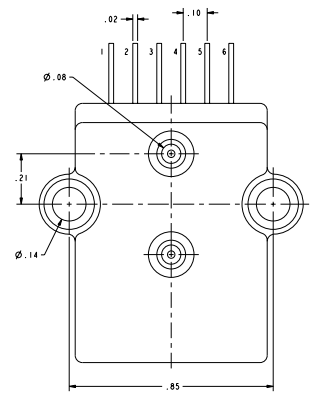
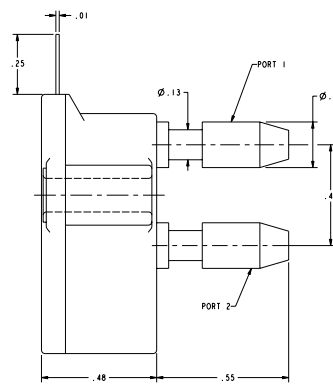
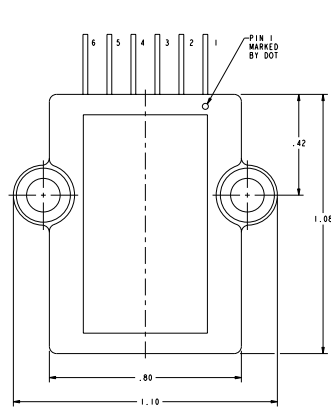
- ALL PARAMETERS ARE MEASURED AT 12 VDC EXCITATION, APPLY POSITIVE PRESSURE TO PORT 2 FOR POSITIVE GOING OUTPUT
- SHIFT IS RELATIVE TO 25°C
- LINEARITY IS DETERMINED USING BEST STRAIGHT LINE FIT THROUGH ZERO, 1/2 FULL SCALE, AND FULL SCALE; HYSTERESIS IS MECHANICAL ONLY
- SPAN IS THE ALGEBRAIC DIFFERENCE BETWEEN OFFSET VOLTAGE AND THE VOLTAGE AT FULL SCALE PRESSURE
- PRESSURE RANGE DEPICTS THE FULL SCALE PRESSURE OF THE SENSOR



EQUIVALENT CIRCUIT

PIN OUT	
1	N/C
2	+V EXCITATION
3	+ OUTPUT SIGNAL
4	-V EXCITATION
5	- OUTPUT SIGNAL
6	N/C

C - GRADE LISTINGS
XCXL004DNC
XCXL010DNC
XCX00_3DNC
XCX01DNC
XCX05DNC
XCX15DNC
XCX30DNC
XCX60DNC
XCX100DNC
XCX150DNC
XCX240DNC
H - GRADE LISTINGS
XCXL004DNH
XCXL010DNH
XCX00_3DNH
XCX01DNH
XCX05DNH
XCX15DNH
XCX30DNH
XCX60DNH
XCX100DNH
XCX150DNH
XCX240DNH



PARAMETERS 	PRESSURE RANGE	C GRADE				H GRADE				PROOF PRESSURE
		MIN	NOM	MAX	UNITS	MIN	NOM	MAX	UNITS	
OFFSET VOLTAGE (0 IN H_2O DIFF)	ALL	-1.0	0.0	1.0	mv	-0.3	0.0	0.3	mv	
SPAN (2+2+1)	4 IN H_2O	38.0	0.0	42.0	mv	19.8	0.0	42.0	mv	5 PSID
	19 IN H_2O	19.0	20.0	21.0	mv	19.8	20.0	20.2	mv	5 PSID
	0.3 PSID	19.0	20.0	21.0	mv	19.8	20.0	20.2	mv	5 PSID
	1 PSID	17.0	18.0	19.0	mv	17.8	18.0	18.2	mv	5 PSID
	5 PSID	57.0	60.0	63.0	mv	59.0	60.0	61.0	mv	17.5 PSID
	15 PSID	85.0	90.0	95.0	mv	88.0	90.0	91.0	mv	45 PSID
	30 PSID	85.0	90.0	95.0	mv	88.0	90.0	91.0	mv	90 PSID
	60 PSID	85.0	90.0	95.0	mv	88.0	90.0	91.0	mv	180 PSID
	90 PSID	95.0	100.0	105.0	mv	98.0	100.0	101.0	mv	270 PSID
	150 PSID	95.0	90.0	95.0	mv	89.0	90.0	91.0	mv	300 PSID
	240 PSID	95.0	100.0	105.0	mv	99.0	100.0	101.0	mv	360 PSID
COMBINED LINEARITY AND HYSTERESIS 	ALL	---	0.5	1.0	ESPAN	---	0.3	0.5	ESPAN	
INPUT RESISTANCE	ALL	---	15	1	MO	---	1	1	MO	
TEMPERATURE ERROR ON OFFSET (0° TO 50°C)	4 IN H_2O	---	---	1.0	mv	---	---	0.5	mv	
TEMPERATURE ERROR ON OFFSET (0° TO 50°C)	ALL	---	---	1.0	mv	---	---	0.5	mv	
TEMPERATURE ERROR ON SPAN (0° TO 50°C)	ALL	---	---	2.0	ESPAN	---	---	1.0	ESPAN	
TEMPERATURE ERROR ON SPAN (0° TO 50°C)	ALL	---	---	2.0	ESPAN	---	---	1.0	ESPAN	
REPEATABILITY	ALL	---	0.1	---	ESPAN	---	0.1	---	ESPAN	

EXCITATION VOLTAGE	ALL	3	12	16	VDC
COMPENSATED TEMPERATURE RANGE	ALL	0	25	70	°C
STORAGE TEMPERATURE RANGE	ALL	-40	---	125	°C
RELATIVE HUMIDITY (NON-CONDENSING)	ALL	0	---	95	%RH
SHOCK (DURATION 11 msec ANY AXIS)	ALL	---	---	10	g
COMMON MODE PRESSURE	ALL	---	---	50	PSIG

MEDIA CAPABILITY, WETTED MATERIALS (APPLY CLEAN DRY AIR ONLY)	
PRESSURE PORT 2	SILICON DIAPHRAGM, GLASS FILLED NYLON, AND ALUMINA CERAMIC. PORT NOT USED FOR ABSOLUTE DEVICES
PRESSURE PORT 1	FRONTSIDE OF SILICON DIAPHRAGM, SILICONE GEL PASSIVATION, GLASS FILLED NYLON, ALUMINA.

SHEET SPECIFIC SPECIALIZED TOOLS ARE REQUIRED NO PLACES ONE PLACE TWO PLACES THREE PLACES FOUR PLACES FIVE PLACES SIX PLACES SEVEN PLACES EIGHT PLACES NINE PLACES TEN PLACES ELEVEN PLACES TWELVE PLACES THIRTEEN PLACES FOURTEEN PLACES FIFTEEN PLACES SIXTEEN PLACES SEVENTEEN PLACES EIGHTEEN PLACES NINETEEN PLACES TWENTY PLACES TWENTY ONE PLACES TWENTY TWO PLACES TWENTY THREE PLACES TWENTY FOUR PLACES TWENTY FIVE PLACES TWENTY SIX PLACES TWENTY SEVEN PLACES TWENTY EIGHT PLACES TWENTY NINE PLACES THIRTY PLACES THIRTY ONE PLACES THIRTY TWO PLACES THIRTY THREE PLACES THIRTY FOUR PLACES THIRTY FIVE PLACES THIRTY SIX PLACES THIRTY SEVEN PLACES THIRTY EIGHT PLACES THIRTY NINE PLACES FORTY PLACES FORTY ONE PLACES FORTY TWO PLACES FORTY THREE PLACES FORTY FOUR PLACES FORTY FIVE PLACES FORTY SIX PLACES FORTY SEVEN PLACES FORTY EIGHT PLACES FORTY NINE PLACES FIFTY PLACES FIFTY ONE PLACES FIFTY TWO PLACES FIFTY THREE PLACES FIFTY FOUR PLACES FIFTY FIVE PLACES FIFTY SIX PLACES FIFTY SEVEN PLACES 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