

REV#	DOCUMENT	CHANGED BY	CHECK
1	201333	TRF 22SEP00	SAV
2	203123	GJM 01JUN01	SAV

SERIES
UNAMPLIFIED
COMPENSATED AND
CALIBRATED (MVI)

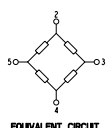
ACCURACY GRADE
C - COMMERCIAL (1.0%)
H - HIGH GRADE (0.50%)

PACKAGE TYPE
N - PLASTIC

PRESSURE REFERENCE
D - DIFFERENTIAL

PRESSURE RANGE Δ
004, 010 IN H₂O
003, 01, 05, 15, 30,
60, 100, 150, 240 PSID

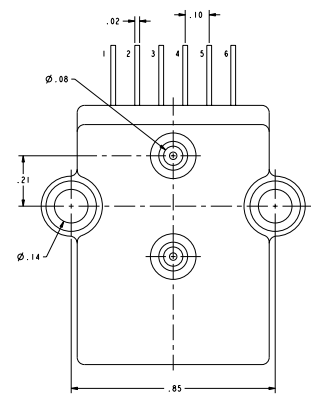
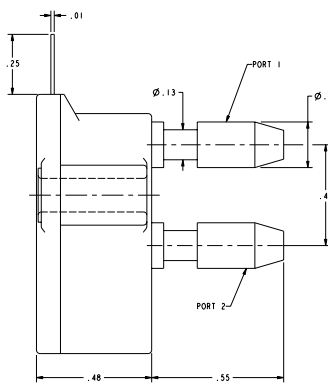
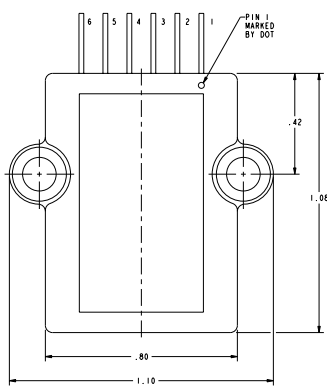
NOTES
 Δ ALL PARAMETERS ARE MEASURED AT 12 VDC EXCITATION. APPLY POSITIVE PRESSURE TO PORT 2 FOR POSITIVE GOING OUTPUT
 Δ SHIFT IS RELATIVE TO 25°C
 Δ LINEARITY IS DETERMINED USING BEST STRAIGHT LINE FIT THROUGH ZERO.
 1/2 FULL SCALE, AND FULL SCALE; HYSTERESIS IS MECHANICAL ONLY
 4 - SPAN IS THE ALGEBRAIC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



PIN OUT

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

- C - GRADE LISTINGS**
- KCXL010DC
 - KCXL010DC
 - KCXL010DC
 - KCXL010DC
 - KCX150DC
 - KCX300DC
 - KCX600DC
 - KCX1000DC
 - KCX1500DC
 - KCX2400DC
- H - GRADE LISTINGS**
- KCXL004NH
 - KCXL010NH
 - KCXL030NH
 - KCX010NH
 - KCX050NH
 - KCX150NH
 - KCX300NH
 - KCX600NH
 - KCX1000NH
 - KCX1500NH
 - KCX2400NH



PARAMETERS Δ	PRESSURE RANGE	C GRADE			H GRADE			PROOF PRESSURE		
		MV	NOM	MAX	UNITS	MV	NOM		MAX	UNITS
OFFSET VOLTAGE (0 IN H ₂ O DIFF)	ALL	-1.0	0.0	1.0	mV	-0.3	0.0	0.3	mV	5 PSID
SPAN (P2-P1)	4 IN H ₂ O	38.0	40.0	42.0	mV	19.8	20.0	20.2	mV	5 PSID
	10 IN H ₂ O	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	15 PSID
	15 PSID	85.0	90.0	95.0	mV	89.0	90.0	91.0	mV	45 PSID
	30 PSID	85.0	90.0	95.0	mV	89.0	90.0	91.0	mV	90 PSID
	60 PSID	85.0	90.0	95.0	mV	89.0	90.0	91.0	mV	180 PSID
	100 PSID	85.0	100.0	105.0	mV	89.0	100.0	101.0	mV	240 PSID
	150 PSID	85.0	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	300 PSID	
COMBINED LINEARITY AND HYSTERESIS Δ	ALL	---	0.5	1.0	%SPAN	---	0.3	0.5	%SPAN	
INPUT RESISTANCE	ALL	---	15	---	K Ω	---	15	---	K Ω	
TEMPERATURE ERROR ON OFFSET (0° TO 50°C) Δ	4 IN H ₂ O	---	---	1.0	mV	---	---	0.5	mV	
TEMPERATURE ERROR ON OFFSET (0° TO 70°C) Δ	ALL EXCEPT 4 IN H ₂ O	---	---	1.0	mV	---	---	0.5	mV	
TEMPERATURE ERROR ON SPAN (0° TO 50°C) Δ	4 IN H ₂ O	---	---	2.0	%SPAN	---	---	1.0	%SPAN	
TEMPERATURE ERROR ON SPAN (0° TO 70°C) Δ	ALL EXCEPT 4 IN H ₂ O	---	---	2.0	%SPAN	---	---	1.0	%SPAN	
REPEATABILITY	ALL	---	0.1	---	%SPAN	---	0.1	---	%SPAN	

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: SILICON DIAPHRAGM, GLASS FILLED NYLON, AND ALUMINA
 PORT 2: CERAMIC. PORT NOT USED FOR ABSOLUTE DEVICES

PRESSURE FRONTSIDE OF SILICON DIAPHRAGM, SILICONE GEL
 PORT 1: PASSIVATION, GLASS FILLED NYLON, ALUMINA.

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:	DECIMAL	FRACTION	ANGLE	DRIVEN	TRF	22SEP00	Moorewell Sealing and Control
NO PLACE	0.040	01		CHECK	SAV	22SEP00	
PER PLACE	0.010	00.15					PRESSURE SENSOR
PER PLACE	0.015	00.15					
PER PLACE	0.005						
PER PLACE	0.005						
THIRD ANGLE PROJECTION	PERMISSION OF MOOREWELL			SIZE	DWG TYPE	DRWING NAME	REV#
	DIMENSIONS ARE TO BE MET BEFORE PROTECTIVE COATINGS ARE APPLIED			D	M	KCX DIF SERIES CHART 1	2
	PIC 30	ASME Y14.5M-1994	SCALE	5:1	WEIGHT	SHEET	1 OF 1