

BULLETIN NUMBER: BTB-PSI-010606  
 CATEGORY: Software  
 BULLETIN: Analog Control / Pressure Chart (0-15PSI Transducer)  
 DATE: January 6, 2006

<u>AO</u>	<u>PSI</u>	<u>AO</u>	<u>PSI</u>	<u>AO</u>	<u>PSI</u>	<u>AO</u>	<u>PSI</u>
0:	0.000	46:	2.706	92:	5.412	138:	8.118
1:	0.059	47:	2.765	93:	5.471	139:	8.176
2:	0.118	48:	2.824	94:	5.529	140:	8.235
3:	0.176	49:	2.882	95:	5.588	141:	8.294
4:	0.235	50:	2.941	96:	5.647	142:	8.353
5:	0.294	51:	3.000	97:	5.706	143:	8.412
6:	0.353	52:	3.059	98:	5.765	144:	8.471
7:	0.412	53:	3.118	99:	5.824	145:	8.529
8:	0.471	54:	3.176	100:	5.882	146:	8.588
9:	0.529	55:	3.235	101:	5.941	147:	8.647
10:	0.588	56:	3.294	102:	6.000	148:	8.706
11:	0.647	57:	3.353	103:	6.059	149:	8.765
12:	0.706	58:	3.412	104:	6.118	150:	8.824
13:	0.765	59:	3.471	105:	6.176	151:	8.882
14:	0.824	60:	3.529	106:	6.235	152:	8.941
15:	0.882	61:	3.588	107:	6.294	153:	9.000
16:	0.941	62:	3.647	108:	6.353	154:	9.059
17:	1.000	63:	3.706	109:	6.412	155:	9.118
18:	1.059	64:	3.765	110:	6.471	156:	9.176
19:	1.118	65:	3.824	111:	6.529	157:	9.235
20:	1.176	66:	3.882	112:	6.588	158:	9.294
21:	1.235	67:	3.941	113:	6.647	159:	9.353
22:	1.294	68:	4.000	114:	6.706	160:	9.412
23:	1.353	69:	4.059	115:	6.765	161:	9.471
24:	1.412	70:	4.118	116:	6.824	162:	9.529
25:	1.471	71:	4.176	117:	6.882	163:	9.588
26:	1.529	72:	4.235	118:	6.941	164:	9.647
27:	1.588	73:	4.294	119:	7.000	165:	9.706
28:	1.647	74:	4.353	120:	7.059	166:	9.765
29:	1.706	75:	4.412	121:	7.118	167:	9.824
30:	1.765	76:	4.471	122:	7.176	168:	9.882
31:	1.824	77:	4.529	123:	7.235	169:	9.941
32:	1.882	78:	4.588	124:	7.294	170:	10.000
33:	1.941	79:	4.647	125:	7.353	171:	10.059
34:	2.000	80:	4.706	126:	7.412	172:	10.118
35:	2.059	81:	4.765	127:	7.471	173:	10.176
36:	2.118	82:	4.824	128:	7.529	174:	10.235
37:	2.176	83:	4.882	129:	7.588	175:	10.294
38:	2.235	84:	4.941	130:	7.647	176:	10.353
39:	2.294	85:	5.000	131:	7.706	177:	10.412
40:	2.353	86:	5.059	132:	7.765	178:	10.471
41:	2.412	87:	5.118	133:	7.824	179:	10.529
42:	2.471	88:	5.176	134:	7.882	180:	10.588
43:	2.529	89:	5.235	135:	7.941	181:	10.647
44:	2.588	90:	5.294	136:	8.000	182:	10.706
45:	2.647	91:	5.353	137:	8.059	183:	10.765

<u>AO</u>	<u>PSI</u>	<u>AO</u>	<u>PSI</u>	<u>AO</u>	<u>PSI</u>	<u>AO</u>	<u>PSI</u>
184:	10.824	202:	11.882	220:	12.941	238:	14.000
185:	10.882	203:	11.941	221:	13.000	239:	14.059
186:	10.941	204:	12.000	222:	13.059	240:	14.118
187:	11.000	205:	12.059	223:	13.118	241:	14.176
188:	11.059	206:	12.118	224:	13.176	242:	14.235
189:	11.118	207:	12.176	225:	13.235	243:	14.294
190:	11.176	209:	12.235	226:	13.294	244:	14.353
191:	11.235	209:	12.294	227:	13.353	245:	14.412
192:	11.294	210:	12.353	228:	13.412	246:	14.471
193:	11.353	211:	12.412	229:	13.471	247:	14.529
194:	11.412	212:	12.471	230:	13.529	248:	14.588
195:	11.471	213:	12.529	231:	13.588	249:	14.647
196:	11.529	214:	12.588	232:	13.647	250:	14.706
197:	11.588	215:	12.647	233:	13.706	251:	14.765
198:	11.647	216:	12.706	234:	13.765	252:	14.824
199:	11.706	217:	12.765	235:	13.824	253:	14.882
200:	11.765	218:	12.824	236:	13.882	254:	14.941
201:	11.824	219:	12.882	237:	13.941	255:	15.000

This table shows pneumatic air pressure (0-15.0 psi) at specific analog output values (0-255). This table applies to the standard ACI/PXP2 transducer, or other transducers providing a 0-15 PSI pressure output over a 0-10vdc control signal..

Following are standard ranges with suggested analog output setup values:

<b>Pressure Range</b>	<b>Low AO</b>	<b>High AO</b>
3-8 PSI	50	140
8-13 PSI	130	225
3-13 PSI	50	225