

Model 2008LRTB-24VDC 0.5% (5000 ppm) CO₂

5000 ppm (0.5%) & 1 volt full scale

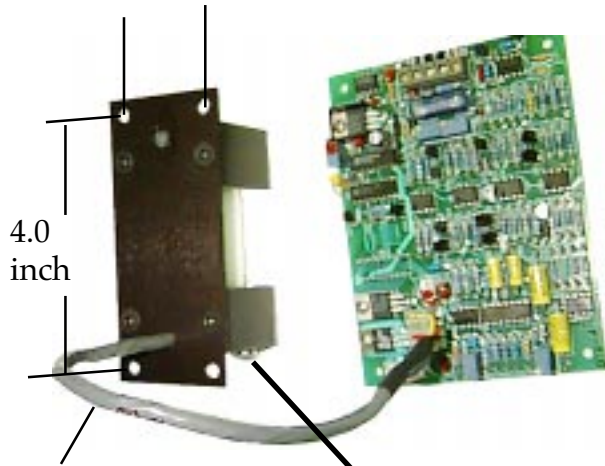
Chart revised on 3-15-95

CO ₂ Concentration in ppm	Output in volts	±5% of Reading		4-20 mA output	±5% of Reading		4-20 mA output across 250Ω in volts
		Max.	Min.		Max.	Min.	
0	0.000	0.025	-0.025	4.00	4.40	3.60	1.00
100	0.020	0.045	-0.005	4.32	4.72	3.92	1.08
200	0.040	0.065	0.015	4.64	5.04	4.24	1.16
300	0.060	0.085	0.035	4.96	5.36	4.56	1.24
400	0.080	0.105	0.055	5.28	5.68	4.88	1.32
500	0.100	0.125	0.075	5.60	6.00	5.20	1.40
600	0.120	0.145	0.095	5.92	6.32	5.52	1.48
700	0.140	0.165	0.115	6.24	6.64	5.84	1.56
800	0.160	0.185	0.135	6.56	6.96	6.16	1.64
900	0.180	0.205	0.155	6.88	7.28	6.48	1.72
1000	0.200	0.225	0.175	7.20	7.60	6.80	1.80
1100	0.220	0.245	0.195	7.52	7.92	7.12	1.88
1200	0.240	0.265	0.215	7.84	8.24	7.44	1.96
1300	0.260	0.285	0.235	8.16	8.56	7.76	2.04
1400	0.280	0.305	0.255	8.48	8.88	8.08	2.12
1500	0.300	0.325	0.275	8.80	9.20	8.40	2.20
1600	0.320	0.345	0.295	9.12	9.52	8.72	2.28
1700	0.340	0.365	0.315	9.44	9.84	9.04	2.36
1800	0.360	0.385	0.335	9.76	10.16	9.36	2.44
1900	0.380	0.405	0.355	10.08	10.48	9.68	2.52
2000	0.400	0.425	0.375	10.40	10.80	10.00	2.60
2100	0.420	0.445	0.395	10.72	11.12	10.32	2.68
2200	0.440	0.465	0.415	11.04	11.44	10.64	2.76
2300	0.460	0.485	0.435	11.36	11.76	10.96	2.84
2400	0.480	0.505	0.455	11.68	12.08	11.28	2.92
2500	0.500	0.525	0.475	12.00	12.40	11.60	3.00
2600	0.520	0.546	0.494	12.32	12.74	11.90	3.08
2700	0.540	0.567	0.513	12.64	13.07	12.21	3.16
2800	0.560	0.588	0.532	12.96	13.41	12.51	3.24
2900	0.580	0.609	0.551	13.28	13.74	12.82	3.32
3000	0.600	0.630	0.570	13.60	14.08	13.12	3.40
3100	0.620	0.651	0.589	13.92	14.42	13.42	3.48
3200	0.640	0.672	0.608	14.24	14.75	13.73	3.56
3300	0.660	0.693	0.627	14.56	15.09	14.03	3.64
3400	0.680	0.714	0.646	14.88	15.42	14.34	3.72
3500	0.700	0.735	0.665	15.20	15.76	14.64	3.80
3600	0.720	0.756	0.684	15.52	16.10	14.94	3.88
3700	0.740	0.777	0.703	15.84	16.43	15.25	3.96
3800	0.760	0.798	0.722	16.16	16.77	15.55	4.04
3900	0.780	0.819	0.741	16.48	17.10	15.86	4.12
4000	0.800	0.840	0.760	16.80	17.44	16.16	4.20
4100	0.820	0.861	0.779	17.12	17.78	16.46	4.28
4200	0.840	0.882	0.798	17.44	18.11	16.77	4.36
4300	0.860	0.903	0.817	17.76	18.45	17.07	4.44
4400	0.880	0.924	0.836	18.08	18.78	17.38	4.52
4500	0.900	0.945	0.855	18.40	19.12	17.68	4.60
4600	0.920	0.966	0.874	18.72	19.46	17.98	4.68
4700	0.940	0.987	0.893	19.04	19.79	18.29	4.76
4800	0.960	1.008	0.912	19.36	20.13	18.59	4.84
4900	0.980	1.029	0.931	19.68	20.46	18.90	4.92
5000	1.000	1.050	0.950	20.00	20.80	19.20	5.00

Accuracy = ±5% of reading from 2500 to 5000 ppm CO₂ and ±125 ppm CO₂ from 0 to 2500 ppm CO₂

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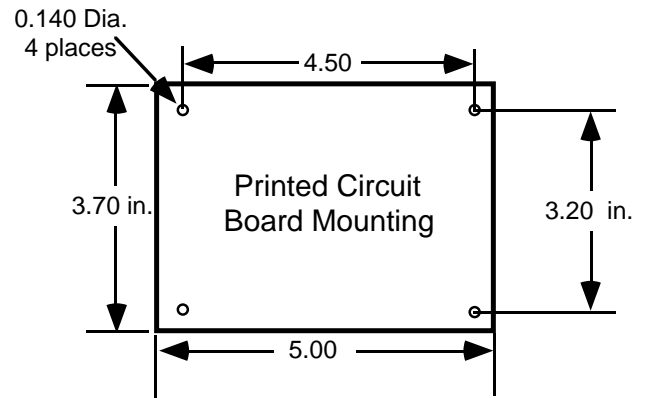
Gas Cell mounts through
0.2" diameter holes
4 places on 2.5 x 4" centers



0.25" dia. cable
1" in from side
and 0.75 inch in
from end of
mounting plate

Gas Calibration Port: A #10-32 screw may be removed and replaced by a #10-32 hose barb to flow calibration gas at about 0.3 to 0.5 LPM

Mounting & clearance information



Coarse Zero adj

Clock Adj. (requires frequency counter)

4 mA Adj.

ZERO Adj.

- 5. 4-20 mA out
- 4. Sig Common
- 3. 0-1 V out
- 2. 24V return (-)
- 1. +24 VDC

SPAN Adj.

20 mA Adj.

