

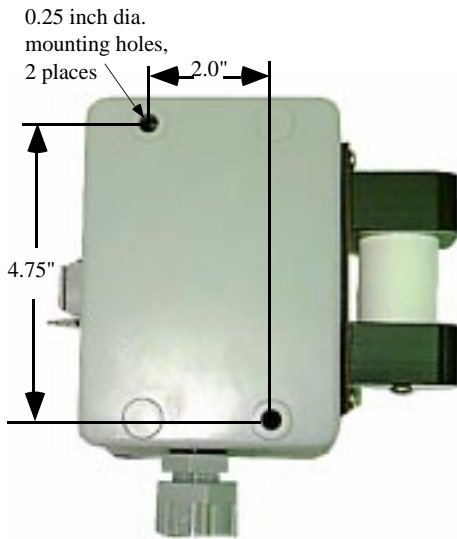


Model 2006DHE 5000 ppm CO₂

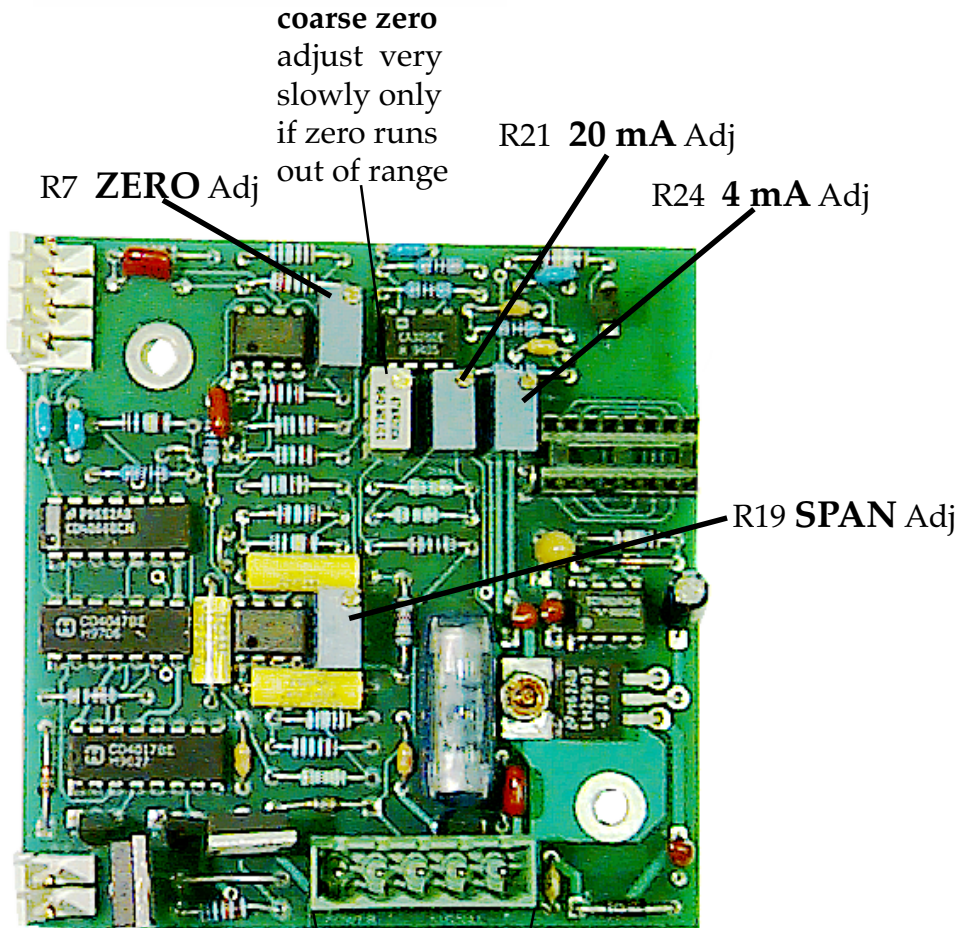
VALTRONICS 2006DHE, 5000 ppm (0.5%) & 1 volt

CO ₂ in ppm	Output ±125ppm CO ₂		4-20 mA ±125ppm CO ₂			CO ₂ in ppm	Output ±5% of reading			4-20 mA ±5% of reading			
	in volts	Max	Min	output	Max		Min	in volts	Max	Min	output	Max	Min
0	0.000	0.033	-0.033	4.00	4.53	3.47	2550	0.674	0.708	0.640	14.78	15.32	14.24
50	0.023	0.056	-0.010	4.37	4.90	3.84	2600	0.682	0.716	0.648	14.91	15.46	14.37
100	0.046	0.079	0.013	4.74	5.26	4.21	2650	0.691	0.726	0.656	15.06	15.61	14.50
150	0.068	0.101	0.035	5.09	5.62	4.56	2700	0.699	0.734	0.664	15.18	15.74	14.62
200	0.089	0.122	0.056	5.42	5.95	4.90	2750	0.708	0.743	0.673	15.33	15.89	14.76
250	0.109	0.142	0.076	5.74	6.27	5.22	2800	0.716	0.752	0.680	15.46	16.03	14.88
300	0.128	0.161	0.095	6.05	6.58	5.52	2850	0.724	0.760	0.688	15.58	16.16	15.00
350	0.147	0.180	0.114	6.35	6.88	5.82	2900	0.732	0.769	0.695	15.71	16.30	15.13
400	0.166	0.199	0.133	6.66	7.18	6.13	2950	0.740	0.777	0.703	15.84	16.43	15.25
450	0.184	0.217	0.151	6.94	7.47	6.42	3000	0.748	0.785	0.711	15.97	16.57	15.37
500	0.201	0.234	0.168	7.22	7.74	6.69	3050	0.756	0.794	0.718	16.10	16.70	15.49
550	0.218	0.251	0.185	7.49	8.02	6.96	3100	0.763	0.801	0.725	16.21	16.82	15.60
600	0.235	0.268	0.202	7.76	8.29	7.23	3150	0.771	0.810	0.732	16.34	16.95	15.72
650	0.251	0.284	0.218	8.02	8.54	7.49	3200	0.778	0.817	0.739	16.45	17.07	15.83
700	0.266	0.299	0.233	8.26	8.78	7.73	3250	0.785	0.824	0.746	16.56	17.19	15.93
750	0.282	0.315	0.249	8.51	9.04	7.98	3300	0.792	0.832	0.752	16.67	17.31	16.04
800	0.297	0.330	0.264	8.75	9.28	8.22	3350	0.799	0.839	0.759	16.78	17.42	16.14
850	0.311	0.344	0.278	8.98	9.50	8.45	3400	0.806	0.846	0.766	16.90	17.54	16.25
900	0.326	0.359	0.293	9.22	9.74	8.69	3450	0.812	0.853	0.771	16.99	17.64	16.34
950	0.339	0.372	0.306	9.42	9.95	8.90	3500	0.819	0.860	0.778	17.10	17.76	16.45
1000	0.353	0.386	0.320	9.65	10.18	9.12	3550	0.826	0.867	0.785	17.22	17.88	16.56
1050	0.366	0.399	0.333	9.86	10.38	9.33	3600	0.832	0.874	0.790	17.31	17.98	16.65
1100	0.379	0.412	0.346	10.06	10.59	9.54	3650	0.838	0.880	0.796	17.41	18.08	16.74
1150	0.392	0.425	0.359	10.27	10.80	9.74	3700	0.844	0.886	0.802	17.50	18.18	16.83
1200	0.404	0.437	0.371	10.46	10.99	9.94	3750	0.851	0.894	0.808	17.62	18.30	16.94
1250	0.416	0.449	0.383	10.66	11.18	10.13	3800	0.857	0.900	0.814	17.71	18.40	17.03
1300	0.428	0.461	0.395	10.85	11.38	10.32	3850	0.863	0.906	0.820	17.81	18.50	17.12
1350	0.440	0.473	0.407	11.04	11.57	10.51	3900	0.869	0.912	0.826	17.90	18.60	17.21
1400	0.451	0.484	0.418	11.22	11.74	10.69	3950	0.875	0.919	0.831	18.00	18.70	17.30
1450	0.462	0.495	0.429	11.39	11.92	10.86	4000	0.881	0.925	0.837	18.10	18.80	17.39
1500	0.473	0.506	0.440	11.57	12.10	11.04	4050	0.887	0.931	0.843	18.19	18.90	17.48
1550	0.484	0.517	0.451	11.74	12.27	11.22	4100	0.893	0.938	0.848	18.29	19.00	17.57
1600	0.494	0.527	0.461	11.90	12.43	11.38	4150	0.899	0.944	0.854	18.38	19.10	17.66
1650	0.505	0.538	0.472	12.08	12.61	11.55	4200	0.905	0.950	0.860	18.48	19.20	17.76
1700	0.515	0.548	0.482	12.24	12.77	11.71	4250	0.911	0.957	0.865	18.58	19.30	17.85
1750	0.525	0.558	0.492	12.40	12.93	11.87	4300	0.918	0.964	0.872	18.69	19.42	17.95
1800	0.535	0.568	0.502	12.56	13.09	12.03	4350	0.924	0.970	0.878	18.78	19.52	18.04
1850	0.545	0.578	0.512	12.72	13.25	12.19	4400	0.930	0.977	0.884	18.88	19.62	18.14
1900	0.555	0.588	0.522	12.88	13.41	12.35	4450	0.937	0.984	0.890	18.99	19.74	18.24
1950	0.564	0.597	0.531	13.02	13.55	12.50	4500	0.943	0.990	0.896	19.09	19.84	18.33
2000	0.574	0.607	0.541	13.18	13.71	12.66	4550	0.949	0.996	0.902	19.18	19.94	18.42
2050	0.583	0.616	0.550	13.33	13.86	12.80	4600	0.956	1.004	0.908	19.30	20.06	18.53
2100	0.593	0.626	0.560	13.49	14.02	12.96	4650	0.962	1.010	0.914	19.39	20.16	18.62
2150	0.602	0.635	0.569	13.63	14.16	13.10	4700	0.968	1.016	0.920	19.49	20.26	18.71
2200	0.611	0.644	0.578	13.78	14.30	13.25	4750	0.974	1.023	0.925	19.58	20.36	18.80
2250	0.620	0.653	0.587	13.92	14.45	13.39	4800	0.980	1.029	0.931	19.68	20.46	18.90
2300	0.630	0.663	0.597	14.08	14.61	13.55	4850	0.986	1.035	0.937	19.78	20.56	18.99
2350	0.639	0.672	0.606	14.22	14.75	13.70	4900	0.991	1.041	0.941	19.86	20.65	19.06
2400	0.647	0.680	0.614	14.35	14.88	13.82	4950	0.996	1.046	0.946	19.94	20.73	19.14
2450	0.656	0.689	0.623	14.50	15.02	13.97	5000	1.000	1.050	0.950	20.00	20.80	19.20
2500	0.665	0.698	0.632	14.64	15.17	14.11							

Accuracy = ±5% of reading from 1500 to 3000 ppm CO₂ and ±125 ppm CO₂ from 0 to 1500 ppm CO₂ - chart revised on 12-18-95



coarse zero
adjust very slowly only if zero runs out of range



- 1. +12 VDC
- 2. 12 volt return (-)
- 3. 0-1 V output
- 4. Signal common
- 5. 4-20 mA output