

Model 2008HRTB-24VDC 5%

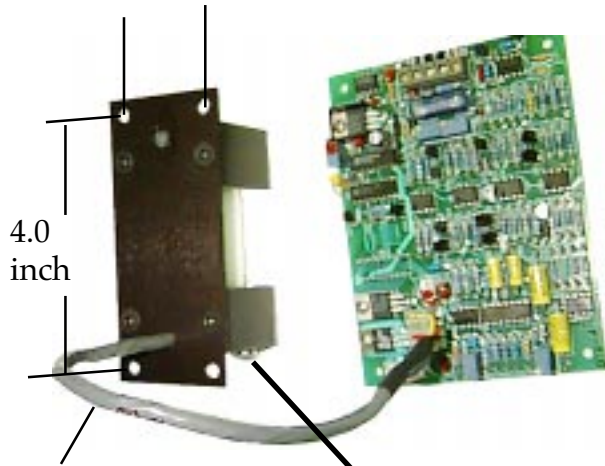
VALTRONICS 5% Gas & 1 volt fu

Gas in %	Output in volts	±5% of Reading		4-20 mA output	±5% of Reading		4-20 mA across 250Ω in volts
		Max.	Min.		Max.	Min.	
0.00	0.000	0.025	-0.025	4.00	4.40	3.60	1.00
0.10	0.020	0.045	-0.005	4.32	4.72	3.92	1.08
0.20	0.040	0.065	0.015	4.64	5.04	4.24	1.16
0.30	0.060	0.085	0.035	4.96	5.36	4.56	1.24
0.40	0.080	0.105	0.055	5.28	5.68	4.88	1.32
0.50	0.100	0.125	0.075	5.60	6.00	5.20	1.40
0.60	0.120	0.145	0.095	5.92	6.32	5.52	1.48
0.70	0.140	0.165	0.115	6.24	6.64	5.84	1.56
0.80	0.160	0.185	0.135	6.56	6.96	6.16	1.64
0.90	0.180	0.205	0.155	6.88	7.28	6.48	1.72
1.00	0.200	0.225	0.175	7.20	7.60	6.80	1.80
1.10	0.220	0.245	0.195	7.52	7.92	7.12	1.88
1.20	0.240	0.265	0.215	7.84	8.24	7.44	1.96
1.30	0.260	0.285	0.235	8.16	8.56	7.76	2.04
1.40	0.280	0.305	0.255	8.48	8.88	8.08	2.12
1.50	0.300	0.325	0.275	8.80	9.20	8.40	2.20
1.60	0.320	0.345	0.295	9.12	9.52	8.72	2.28
1.70	0.340	0.365	0.315	9.44	9.84	9.04	2.36
1.80	0.360	0.385	0.335	9.76	10.16	9.36	2.44
1.90	0.380	0.405	0.355	10.08	10.48	9.68	2.52
2.00	0.400	0.425	0.375	10.40	10.80	10.00	2.60
2.10	0.420	0.445	0.395	10.72	11.12	10.32	2.68
2.20	0.440	0.465	0.415	11.04	11.44	10.64	2.76
2.30	0.460	0.485	0.435	11.36	11.76	10.96	2.84
2.40	0.480	0.505	0.455	11.68	12.08	11.28	2.92
2.50	0.500	0.525	0.475	12.00	12.40	11.60	3.00
2.60	0.520	0.546	0.494	12.32	12.74	11.90	3.08
2.70	0.540	0.567	0.513	12.64	13.07	12.21	3.16
2.80	0.560	0.588	0.532	12.96	13.41	12.51	3.24
2.90	0.580	0.609	0.551	13.28	13.74	12.82	3.32
3.00	0.600	0.630	0.570	13.60	14.08	13.12	3.40
3.10	0.620	0.651	0.589	13.92	14.42	13.42	3.48
3.20	0.640	0.672	0.608	14.24	14.75	13.73	3.56
3.30	0.660	0.693	0.627	14.56	15.09	14.03	3.64
3.40	0.680	0.714	0.646	14.88	15.42	14.34	3.72
3.50	0.700	0.735	0.665	15.20	15.76	14.64	3.80
3.60	0.720	0.756	0.684	15.52	16.10	14.94	3.88
3.70	0.740	0.777	0.703	15.84	16.43	15.25	3.96
3.80	0.760	0.798	0.722	16.16	16.77	15.55	4.04
3.90	0.780	0.819	0.741	16.48	17.10	15.86	4.12
4.00	0.800	0.840	0.760	16.80	17.44	16.16	4.20
4.10	0.820	0.861	0.779	17.12	17.78	16.46	4.28
4.20	0.840	0.882	0.798	17.44	18.11	16.77	4.36
4.30	0.860	0.903	0.817	17.76	18.45	17.07	4.44
4.40	0.880	0.924	0.836	18.08	18.78	17.38	4.52
4.50	0.900	0.945	0.855	18.40	19.12	17.68	4.60
4.60	0.920	0.966	0.874	18.72	19.46	17.98	4.68
4.70	0.940	0.987	0.893	19.04	19.79	18.29	4.76
4.80	0.960	1.008	0.912	19.36	20.13	18.59	4.84
4.90	0.980	1.029	0.931	19.68	20.46	18.90	4.92
5.00	1.000	1.050	0.950	20.00	20.80	19.20	5.00

Accuracy = ± 0.125 % CO2 from 0.0% CO2 to 2.5% CO2
 Accuracy = ±5% of reading from 2.5% CO2 to 5.0% CO2
 Chart revised on 1-5-95

Model 2008HRTB-24VDC 5% CO₂

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

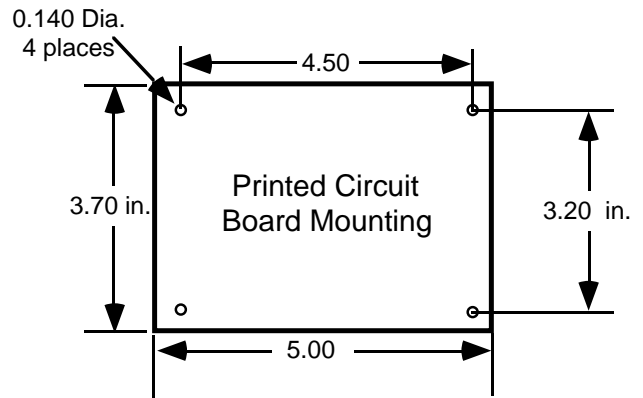


4.0
inch

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.

