



Network 8000 Central Flow Sensor Calibration Chart

How to use the Data Industrial Flow Sensor Calibration Chart with the Network 8000 Control System.

1. First, install the Flow Sensor in accordance with Data Industrial's instructions for Model #220.
2. The Network 8000 Control System must utilize one or more of the following (options) to interface with the Data Industrial Flow Sensor (#220).
 - 995-60 Sensor Input PCB Assembly Kit for Green Pedestal
 - 995-63 Sensor Input PCB Assembly Kit for Stainless Steel Pedestal.
 - 132-76-18 Monitor Control Unit
3. Attach flow sensor to one of the above options per installation instructions for each unit. Select the pipe size on the chart that most nearly represents the inside diameter (I.D.) of the actual pipe where the flow meter is or is to be installed. Should the size be unknown just measure the I.D. for comparison with the chart.
4. Enter the M (f) and B (f) numbers from the chart (that represents the determined pipe size) on the "Monitor Control" screen of the Network 8000 Central. Select factors column "ON" and enter these numbers in the appropriate "Factors" columns by light pen/mouse and keyboard.

Pipe Model #	Nominal Size	I.D.	M (f) K-Value	Offset	B (f)	FLOW	
						Pipe Min.	Sens. Min.
220P-1	1	0.96	0.225	0.397	0.089325	2	5
220P-1.5	1.5	1.5	1.848	0.277	0.419496	8	40
220P-2	2	1.94	2.725	0.392	1.0682	13	50
220P-3	4	4.02	8.309	0.277	1.886143	35	160
220P-4	5	5.15	15.35	0.248	3.8068	65	300
228B-2	2	1.99	2.747	0.386	1.060342	10	50
228B-2.5	2.5	2.52	3.741	0.386	1.444026	16	75
228C-2 15	2	2.07	2.809	0.276	0.775284	12	50
228C-2.5	2.5	2.51	3.74	0.277	1.03598	16	75
228SS-2	2	2.07	2.809	0.276	0.775284	12	50
228SS-2.5	2.5	2.51	3.74	0.277	1.03598	16	75
228C-2 40	2	2.1	2.604	0.25	0.651	12	50
250B-1	1	1.05	0.41447	0.44117	0.182852	2	8
250B-1.25	1.25	1.38	0.76447	0.16489	0.126053	3	15
250B-1.5	1.5	1.61	1.06526	0.0892	0.095021	4	20
SCH 10S	3	3.26	5.009	0.09	0.45081	26	130
SCH 40	3	3.068	4.362	0.063	0.274806	23	115
SCH 80	3	2.9	3.858	0.043	0.165894	20	100
SCH 10S	4	4.26	9.597	0.241	2.312877	45	220
SCH 40	4	4.026	8.34	0.229	1.90986	40	200
SCH 80	4	3.826	7.354	0.188	1.382552	36	180
SCH 10S	5	5.295	16.305	0.25	4.07625	69	340
SCH 40	5	5.047	14.674	0.248	3.639152	62	310
SCH 80	5	4.813	13.165	0.246	3.23859	57	280
SCH 10S	6	6.357	24.089	0.26	6.26314	100	495
SCH 40	6	6.065	21.574	0.257	5.544518	90	450
SCH 80	6	5.761	19.457	0.254	4.942078	81	406

Pipe Model #	Nominal Size	I.D.	M (f) K-Value	Offset	B (f)	FLOW	
						Pipe Min.	Sens. Min.
SCH 10S	8	8.329	43.914	0.286	12.5594	170	850
SCH 20	8	8.125	41.653	0.283	11.7878	162	800
SCH 30	8	8.071	41.063	0.283	11.62083	160	800
SCH 40	8	7.981	40.086	0.281	11.26417	156	780
SCH 60	8	7.813	38.288	0.279	10.68235	150	750
SCH 80	8	7.625	36.316	0.276	10.02322	142	710
SCH 10S	10	10.42	70.195	0.321	22.53259	265	1320
SCH 20	10	10.25	67.668	0.318	21.51842	257	1280
SCH 30	10	10.136	66.069	0.316	20.8778	252	1260
SCH 40	10	10.02	64.532	0.314	20.26305	245	1230
SCH 60	10	9.75	61.016	0.309	18.85394	233	1160
SCH 80	10	9.564	58.644	0.306	17.94506	224	1120
SCH 10S	12	12.39	104.636	0.367	38.40141	376	1880
SCH 20	12	12.25	102.553	0.364	37.32929	367	1840
SCH 30	12	12.09	99.347	0.36	35.76492	358	1770
SCH 40S	12	12.00	97.576	0.358	34.93221	352	1760
SCH 40	12	11.938	97.369	0.356	34.66336	350	1740
SCH 60	12	11.625	90.441	0.348	31.47347	330	1650
EX STRONG	12	11.75	92.775	0.351	32.56403	338	1690
SCH 80	12	11.376	85.992	0.342	29.40926	450	1580
SCH 10	14	13.5	122.307	0.391	47.82204	446	2230
SCH 20	14	13.375	120.216	0.388	46.64381	438	2190
SCH 30	14	13.25	118.151	0.385	45.48813	430	2150
STD. WT.	14	13.25	118.151	0.385	45.48813	430	2150
SCH 40	14	13.124	116.096	0.382	44.34867	422	2100
SCH 60	14	12.814	111.148	0.376	41.79165	402	2010
EX STRONG	14	13.00	114.098	0.33	37.65234	414	2070
SCH 80	14	12.5	106.299	0.369	39.22433	383	1910
SCH 10	16	15.5	159.243	0.44	70.06692	589	2940
SCH 20	16	15.375	156.742	0.436	68.33951	579	2890
SCH 30	16	15.25	154.267	0.433	66.79761	570	2850
STD. WT.	16	15.25	154.267	0.433	66.79761	570	2850
SCH 40	16	15.00	149.394	0.427	63.79124	550	2754
SCH 60	16	14.688	143.456	0.419	60.10806	528	2640
EX STRONG	16	15.00	149.394	0.427	63.79124	551	2754
SCH 80	16	14.314	136.548	0.41	55.98468	502	2500
SCH 10	18	17.5	202.739	0.498	100.964	750	3749
SCH 20	18	17.375	199.828	0.494	98.71503	740	3670
SCH 30	18	17.124	194.061	0.486	94.31365	718	3590
STD. WT.	18	17.25	196.943	0.49	96.50207	729	3640
SCH 40	18	16.876	188.464	0.479	90.27426	697	3490
SCH 60	18	16.5	180.171	0.469	84.5002	666	3330
EX STRONG	18	17.00	191.25	0.482	92.1825	707	3538
SCH 80	18	16.126	172.152	0.457	78.67346	636	3180