



ELECTRONIC GAUGES & METERS

VELOCITOR™ Air Velocity Meter



AM50



RANGE/ACCURACY OF WIND VELOCITY

UNITS	RANGE	ACCURACY
Ft/Min	0-8800	±3% or 0.1
M/S	0-45	±3% or 0.1
km/Hr	0-140	±3% or 0.1
knots	0-88	±3% or 0.1

Precision vane type anemometer provides fast, accurate air velocity measurements for use in balancing HVAC systems or determining CFM calculations. A convenient TYPE K thermocouple is built-in to the remote vane providing quick measurement of grille/duct outflow temperatures from 32 to 122 F / 0 to 50 C. Included, is an easy-to-read laminated conversion chart that allows the user to quickly convert air velocity measurements into CFM calculations at a glance. Shipped with a rugged carrying case and is CE approved.

Seq. No. (Ref. No.)	CFM CHART (Grill Size)																		TB-8000A					
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21			
300011	2.56	168	335	603	870	1,038	1,173	1,345	1,608	1,670	2,019	2,046	2,086	2,016	3,388	3,684	4,020	4,314	4,690	5,028	5,652			
300019	7.08	140	275	419	516	695	803	917	1,117	1,247	1,386	1,575	1,954	2,220	2,512	2,767	3,071	3,520	3,625	3,936	4,188	4,457	5,009	
300024	4.08	266	530	804	1,072	1,340	1,603	1,815	2,044	2,012	2,680	2,319	2,792	4,236	9,024	3,686	3,896	4,832	6,968	7,934	8,049	20,757	31,113	
300012	3.08	134	268	402	536	671	824	933	1,172	1,202	1,347	1,558	1,813	2,144	24,17	2,005	2,848	32,105	3,454	3,751	4,029	4,246	4,958	
300019	1.63	151	322	508	647	800	970	1,162	1,608	1,111	1,340	1,495	1,183	2,070	2,223	2,451	2,689	2,903	3,211	3,598	3,815	3,815		
300018	1.43	89.1	178	267	336	448	531	624	711	802	881	1,000	1,245	1,476	1,604	1,762	1,965	2,109	2,217	2,449	2,703	2,845	2,909	
300005	1.08	91	134	201	268	325	452	486	533	503	675	739	888	1,173	1,591	1,963	1,874	1,888	1,947	2,178	2,073	2,149	2,179	
300012	1.12	76.4	187	238	314	392	470	649	827	708	784	841	1,087	1,294	1,411	1,658	1,728	1,881	2,038	2,195	2,262	2,506	2,568	
300019	0.92	65	130	155	268	325	380	455	503	505	856	856	780	216	1,945	1,173	1,900	1,938	1,588	2,065	1826	1,980	2,045	2,719
100005	0.78	62.3	138	182	209	261	374	386	418	475	823	627	732	856	941	1,045	1,152	1,254	1,259	1,401	1,288	1712	1,777	
300006	0.58	88.8	218	277	317	354	394	233	220	311	356	338	495	544	532	599	771	858	843	913	1,018	1,048	1,160	
300014	0.38	26.1	52.3	78.4	105	131	191	183	229	228	261	334	386	418	470	523	575	627	678	732	784	826	826	
300012	0.83	6.82	22.2	22.2	278	334	389	445	504	556	681	759	899	1,001	1,112	1,223	1,330	1,348	1,491	1,585	1,686	1,790	1,894	
100010	0.89	48.3	87.5	179	288	331	277	324	373	416	492	592	547	749	832	924	1017	1110	922	1294	1,287	1,478	1,574	
300014	0.48	16.8	31.2	59.3	73	94	112	121	150	154	198	224	263	308	328	355	473	495	485	523	586	608	628	
300012	0.87	44.9	85.8	139	185	224	246	314	389	464	448	535	626	718	808	865	959	1,077	1,161	1,257	1,476	1,476	1,626	
300019	0.88	27.5	72	113	181	188	225	283	300	338	375	426	525	569	879	958	928	1,024	1,086	1,081	1,126	1,201	1,201	
300014	0.32	14.7	29.5	46.2	48	78	78	125	133	173	347	171	226	295	295	324	354	385	413	442	473	503		
300012	0.60	24	51	81	154	168	201	232	298	362	358	432	489	536	803	870	737	804	817	858	1,000	1,007	1,136	
300010	0.42	28	65.3	84.4	113	147	195	181	235	255	261	338	184	450	507	583	618	875	728	768	844	966	857	
300012	0.22	24.4	55.3	88.4	111	133	184	171	189	221	266	310	354	386	445	484	831	855	819	895	923	923		
300019	0.23	18.8	34	92.3	87	103	171	134	271	188	201	235	280	303	368	402	439	468	503	535	816	844		
300014	0.17	11.4	25.8	34.2	45.0	52	55.3	79.1	81	181	114	137	155	182	206	226	217	320	319	340	344	351		
	100	292	385	460	503	595	626	689	765	800	1,000	1,200	1,400	1,600	1,800	2,000	2,200	2,400	2,600	2,800	3,000	3,200		

Sound Level Meter

Professional grade sound level indicator designed to measure noise levels from 35 to 130dB. The unit incorporates a large LCD, maximum hold function, Over and Under range indicator, peak and average response settings and A-C weighing for checking compliance with standard safety regulations. Applications include the monitoring of HVAC/R compressors, blowers, health and safety requirements, environmental quality issues, offices, factory machinery, airports, auditoriums and studio acoustics. Unit is CE approved and includes carrying case.



SM150



Chart of sound levels L and corresponding sound pressure and sound intensity

EXAMPLES	SOUND PRESSURE LEVEL dB SPL	SOUND PRESSURE N/m ² = Pa	SOUND INTENSITY / watts/m ²
Jet aircraft, 50 m away	140	200	100
Threshold of pain	130	63.2	10
Threshold of discomfort	120	20	1
Chainsaw, 1m distance	110	6.3	0.1
Disco, 1 m from speaker	100	2	0.01
Diesel truck, 10m away	90	0.63	0.001
Curbside of busy road, 5m	80	0.2	0.0001
Vacuum cleaner, distance 1m	70	0.063	0.00001
Conversational speech, 1m	60	0.02	0.000001
Average home	50	0.0063	0.0000001
Quiet library	40	0.002	0.00000001
Quiet bedroom at night	30	0.00063	0.000000001
Background in TV studio	20	0.0002	0.0000000001
Rustling leaf	10	0.000063	0.00000000001
Threshold of hearing	0	0.00002	0.000000000001