



# ABBESS

INSTRUMENTS AND SYSTEMS FOR  
DEVELOPING LEADING TECHNOLOGIES,  
INDUSTRIAL METHODS & PROCESSES

Altitude (Feet)	Torr (mmHg)	mbar	inHg	PSIA	Pascal	kPa
0	759.81	1013.00	29.91	14.69	101300.00	101.30
1,000	732.75	976.91	28.85	14.17	97691.75	97.69
2,000	706.47	941.88	27.81	13.66	94188.29	94.19
3,000	680.96	907.87	26.81	13.17	90787.28	90.79
4,000	656.20	874.86	25.83	12.69	87486.40	87.49
5,000	632.18	842.83	24.89	12.22	84283.39	84.28
<b>1 Mile</b>						
6,000	608.87	811.76	23.97	11.77	81176.00	81.18
7,000	586.26	781.62	23.08	11.34	78162.04	78.16
8,000	564.34	752.39	22.22	10.91	75239.35	75.24
9,000	543.09	724.06	21.38	10.50	72405.79	72.41
10,000	522.49	696.59	20.57	10.10	69659.27	69.66
11,000	502.52	669.98	19.78	9.72	66997.73	67.00
12,000	483.18	644.19	19.02	9.34	64419.14	64.42
13,000	464.45	619.21	18.29	8.98	61921.52	61.92
14,000	446.31	595.03	17.57	8.63	59502.89	59.50
15,000	428.75	571.61	16.88	8.29	57161.34	57.16
16,000	411.75	548.95	16.21	7.96	54894.98	54.89
17,000	395.30	527.02	15.56	7.64	52701.92	52.70
18,000	379.38	505.80	14.94	7.34	50580.36	50.58
19,000	363.99	485.28	14.33	7.04	48528.50	48.53
20,000	349.11	465.44	13.74	6.75	46544.57	46.54
21,000	334.73	446.27	13.18	6.47	44626.82	44.63
22,000	320.83	427.73	12.63	6.20	42773.58	42.77
23,000	307.40	409.83	12.10	5.94	40983.15	40.98
24,000	294.43	392.54	11.59	5.69	39253.90	39.25
25,000	281.90	375.84	11.10	5.45	37584.22	37.58
26,000	269.82	359.72	10.62	5.22	35972.51	35.97
27,000	258.15	344.17	10.16	4.99	34417.24	34.42
28,000	246.90	329.17	9.72	4.77	32916.87	32.92
29,000	236.04	314.70	9.29	4.56	31469.91	31.47
30,000	225.58	300.75	8.88	4.36	30074.89	30.07
35,000	178.74	238.29	7.04	3.46	23829.55	23.83
40,000	140.59	187.43	5.53	2.72	18743.23	18.74
45,000	110.55	147.39	4.35	2.14	14738.56	14.74
50,000	86.93	115.90	3.42	1.68	11589.54	11.59
<b>10 Miles</b>						
55,000	68.36	91.13	2.69	1.32	9113.32	9.11
60,000	53.75	71.66	2.12	1.04	7166.18	7.17
65,000	42.27	56.35	1.66	0.82	5635.06	5.64
70,000	33.25	44.34	1.31	0.64	4433.60	4.43
75,000	26.21	34.94	1.03	0.51	3494.37	3.49
80,000	20.69	27.59	0.81	0.40	2758.64	2.76
85,000	16.36	21.81	0.64	0.32	2181.35	2.18
90,000	12.96	17.28	0.51	0.25	1727.64	1.73
95,000	10.28	13.70	0.40	0.20	1370.47	1.37
100,000	8.17	10.89	0.32	0.16	1088.83	1.09

Altitude (Feet)	Torr (mmHg)	mbar	inHg	PSIA	Pascal	kPa
105,000	6.73	8.97	0.26	0.13	897.01	0.90
110,000	5.37	7.15	0.21	0.10	715.37	0.72
115,000	4.30	5.73	0.17	0.08	572.86	0.57
120,000	3.45	4.61	0.14	0.07	460.56	0.46
125,000	2.79	3.72	0.11	0.05	371.70	0.37
130,000	2.26	3.01	0.09	0.04	301.10	0.30
<b>25 Miles</b>						
135,000	1.84	2.45	0.07	0.04	244.78	0.24
140,000	1.50	2.00	0.06	0.03	199.69	0.20
145,000	1.23	1.63	0.05	0.02	163.44	0.16
150,000	1.01	1.34	0.04	0.02	134.22	0.13
155,000	0.80510	1.07338	0.03170	0.01557	107.33784	0.10734
160,000	0.66420	0.88552	0.02615	0.01284	88.55272	0.08855
165,000	0.54800	0.73060	0.02157	0.01060	73.06066	0.07306
170,000	0.45190	0.60248	0.01779	0.00874	60.24838	0.06025
175,000	0.37160	0.49542	0.01463	0.00719	49.54259	0.04954
180,000	0.30460	0.40610	0.01199	0.00589	40.60999	0.04061
185,000	0.24890	0.33184	0.00980	0.00481	33.18394	0.03318
190,000	0.20260	0.27011	0.00798	0.00392	27.01111	0.02701
195,000	0.16440	0.21918	0.00647	0.00318	21.91820	0.02192
200,000	0.13290	0.17718	0.00523	0.00257	17.71854	0.01772
205,000	0.10710	0.14279	0.00422	0.00207	14.27883	0.01428
210,000	0.08590	0.11452	0.00338	0.00166	11.45239	0.01145
215,000	0.06860	0.09146	0.00270	0.00133	9.14591	0.00915
220,000	0.05460	0.07279	0.00215	0.00106	7.27940	0.00728
225,000	0.04330	0.05773	0.00170	0.00084	5.77286	0.00577
230,000	0.03410	0.04546	0.00134	0.00066	4.54629	0.00455
235,000	0.02680	0.03573	0.00106	0.00052	3.57304	0.00357
240,000	0.02090	0.02786	0.00082	0.00040	2.78644	0.00279
245,000	0.01630	0.02173	0.00064	0.00032	2.17315	0.00217
250,000	1.27E-02	1.69E-02	5.00E-04	2.40E-04	1.69E+00	1.69E-03
	5.00E-03	6.67E-03	1.97E-04	9.67E-05	6.67E-01	6.67E-04
	1.00E-03	1.33E-03	3.94E-05	1.93E-05	1.33E-01	1.33E-04
	1.00E-04	1.33E-04	3.94E-06	1.93E-06	1.33E-02	1.33E-05
	1.00E-05	1.33E-05	3.94E-07	1.93E-07	1.33E-03	1.33E-06
	1.00E-06	1.33E-06	3.94E-08	1.93E-08	1.33E-04	1.33E-07
	1.00E-07	1.33E-07	3.94E-09	1.93E-09	1.33E-05	1.33E-08
	1.00E-08	1.33E-08	3.94E-10	1.93E-10	1.33E-06	1.33E-09
	1.00E-09	1.33E-09	3.94E-11	1.93E-11	1.33E-07	1.33E-10

**From Inches of Hg**

to Atmospheres multiply by 0.0334211

to Bars multiply by 0.0338639

to mm of Hg multiply by 25.4

to Grams/sq. cm multiply by 34.5316

to pounds/sq. ft multiply by 70.7262

Torr=1mmHg

**From Atmospheres**

to Bars multiply by 1.01325

to mm of Hg multiply by 760

to Grams/sq. cm multiply by 1033.23

to Pounds/sq. inch multiply by 14.6960

to Torrs multiply by 760

to Ft of H2O multiply by 33.8995

All units are derived from their respected formulas.

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