



Cecomp Digital Pressure Gauge Ranges and Accuracies

Gauge Ranges		3½ Digit Display, DPG1000, ARM, F4 Series			4-Digit Display F16 Digi Max		
Pounds per Square Inch	Equivalent psi	Display Resolution	±0.25% ±1 LSD Accuracy	±0.1% ±1 LSD Accuracy	Display Resolution	±0.25% ±1 LSD Accuracy	±0.1% ±1 LSD Accuracy
-30INHG/15PSIG	±15.0	0.1	±0.2 psi	n/a	0.01	±0.09 psi	n/a
-30INHG/100PSIG	-15.0/100.0	0.1	±0.4 psi	n/a	0.1	±0.4 psi	n/a
-30INHG/200PSIG	-15.0/199.9	0.1	±0.7 psi	n/a	0.1	±0.7 psi	n/a
3PSIG	3.00	0.01	±0.02	n/a	0.001	±0.009	n/a
5PSIG	5.00	0.01	±0.03	±0.02	0.001	±0.014	±0.006
15PSIA	15.00 abs	0.01	±0.05	n/a	0.01	±0.05	n/a
15PSIGVAC	-15.00	0.01	±0.05	±0.03	0.01	±0.05	±0.03
±15PSIG	±15.0	0.1	±0.2	n/a	0.01	±0.09	n/a
15PSIG	15.00	0.01	±0.05	±0.03	0.01	±0.05	±0.03
30PSIA	30.0 abs	0.1	±0.2	n/a	0.01	±0.09	n/a
30PSIG	30.0	0.1	±0.2	n/a	0.01	±0.09	±0.04
60PSIG	60.0	0.1	±0.3	±0.2	0.01	±0.16	±0.07
100PSIA	100.0 abs	0.1	±0.4	n/a	0.1	±0.4	n/a
100PSIG	100.0	0.1	±0.4	±0.2	0.1	±0.4	±0.2
200PSIG	199.9/200.0	0.1	±0.6	±0.3	0.1	±0.6	±0.3
300PSIG	300	1	±2	n/a	0.1	±0.9	±0.4
500PSIG	500	1	±3	±2	0.1	±1.4	±0.6
1000PSIG	1000	1	±4	±2	1	±4	±2
2000PSIG	1999/2000	1	±6	±3	1	±6	±3
3000PSIG	3000	1	±9	±4	1	±9	±4
5000PSIG	5000	1	±14	±6	1	±14	±6
Inches Hg (Mercury @ 0°C)	Equivalent psi	Display Resolution	±0.25% ±1 LSD Accuracy	±0.1% ±1 LSD Accuracy	Display Resolution	±0.25% ±1 LSD Accuracy	±0.1% ±1 LSD Accuracy
6INHGG	2.95	0.01	±0.03	n/a	0.001	±0.017	n/a
10INHGG	4.91	0.01	±0.04	±0.03	0.01	±0.04	±0.03
30INHGA	14.73 abs	0.1	±0.2	n/a	0.01	±0.09	n/a
30INHGVAC	-14.73	0.1	±0.2	n/a	0.01	±0.09	±0.04
±30INHGG	±14.73	0.1	±0.3	n/a	0.01	±0.17	n/a
30INHGG	14.73	0.1	±0.2	n/a	0.01	±0.09	±0.05
60INHGA	29.5 abs	0.1	±0.3	n/a	0.01	±0.17	n/a
60INHGG	29.5	0.1	±0.3	±0.2	0.01	±0.17	±0.08
120INHGG	58.9	0.1	±0.5	±0.3	0.1	±0.5	±0.3
200INHGA	98.2 abs	0.1	±0.7	n/a	0.1	±0.7	n/a
200INHGG	98.2	0.1	±0.7	±0.4	0.1	±0.7	±0.4
Inches H ₂ O (H ₂ O @ 20°C)	Equivalent psi	Display Resolution	±0.25% ±1 LSD Accuracy	±0.1% ±1 LSD Accuracy	Display Resolution	±0.25% ±1 LSD Accuracy	±0.1% ±1 LSD Accuracy
85INH2OG	3.07	0.1	±0.4	n/a	0.1	±0.4	n/a
140INH2OG	5.05	0.1	±0.5	±0.3	0.1	±0.5	±0.3
400INH2OA	14.42 abs	1	±3	n/a	0.1	±1.2	n/a
400INH2OVAC	-14.42	1	±3	±2	0.1	±1.2	±0.6
±400INH2OG	±14.42	1	±4	n/a	1	±4	n/a
400INH2OG	14.42	1	±3	±2	0.1	±1.2	±0.6
850INH2OG	30.7	1	±4	±2	1	±4	±2
Feet H ₂ O (H ₂ O @ 20°C)	Equivalent psi	Display Resolution	±0.25% ±1 LSD Accuracy	±0.1% ±1 LSD Accuracy	Display Resolution	±0.25% ±1 LSD Accuracy	±0.1% ±1 LSD Accuracy
7FTH2O	3.03	0.01	±0.03	n/a	0.001	±0.019	n/a
12FTH2O	5.20	0.01	±0.04	±0.03	0.01	±0.04	±0.03
35FTH2O	15.2	0.1	±0.2	n/a	0.01	±0.10	±0.05
70FTH2O	30.3	0.1	±0.3	±0.2	0.01	±0.19	±0.08
140FTH2O	60.7	0.1	±0.5	±0.3	0.1	±0.5	±0.3
230FTH2O	99.7	1	±2	n/a	0.1	±0.7	±0.4
480FTH2O	208	1	±3	±2	0.1	±1.3	±0.6

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Gauge Ranges		3½ Digit Display, DPG1000, ARM, F4 Series			4-Digit Display F16 Digi Max		
Ounces per Square Inch	Equivalent psi	Display Resolution	±0.25% ±1 LSD Accuracy	±0.1% ±1 LSD Accuracy	Display Resolution	±0.25% ±1 LSD Accuracy	±0.1% ±1 LSD Accuracy
50ZING	3.13	0.1	±0.3	n/a	0.01	±0.14	n/a
80ZING	5.00	0.1	±0.3	±0.2	0.1	±0.3	±0.2
240ZING	15.0	1	±2	n/a	0.1	±0.7	±0.4
KiloPascals	Equivalent psi	Display Resolution	±0.25% ±1 LSD Accuracy	±0.1% ±1 LSD Accuracy	Display Resolution	±0.25% ±1 LSD Accuracy	±0.1% ±1 LSD Accuracy
-100V/700KPA	-15/102	1	±3	n/a	±3	±3	n/a
20KPAG	2.90	0.01	±0.07	n/a	0.01	±0.07	n/a
35KPAG	5.08	0.1	±0.2	n/a	0.01	±0.10	±0.05
100KPAA	14.5 abs	0.1	±0.4	n/a	0.1	±0.4	n/a
100KPAVAC	-14.5	0.1	±0.4	±0.3	0.1	±0.4	±0.3
±100KPAG	±14.5	0.1	±0.7	n/a	0.1	±0.7	n/a
100KPAG	14.5	0.1	±0.4	±0.3	0.1	±0.4	±0.3
200KPAA	29.0 abs	0.1	±0.7	n/a	0.1	±0.7	n/a
200KPAG	29.0	0.1	±0.7	±0.4	0.1	±0.7	±0.4
400KPAG	58	1	±3	±2	0.1	±1.2	±0.6
700KPAA	102 abs	1	±3	n/a	0.1	±1.9	n/a
700KPAG	102	1	±3	±2	0.1	±1.9	±0.8
1500KPAG	218	1	±5	±3	1	±5	±3
2000KPAG	290	1	±7	±4	1	±7	±4
3500KPAG	508	1	±10	±5	1	±10	±5
7000KPAG	1015	1	±19	±8	1	±19	±8
MegaPascals	Equivalent psi	Display Resolution	±0.25% ±1 LSD Accuracy	±0.1% ±1 LSD Accuracy	Display Resolution	±0.25% ±1 LSD Accuracy	±0.1% ±1 LSD Accuracy
3.5MPAG	508	0.01	±0.02	n/a	0.001	±0.01	±0.005
7MPAG	1015	0.01	±0.03	±0.02	0.001	±0.019	±0.008
14MPAG	2031	0.01	±0.05	±0.03	0.01	±0.05	±0.03
20MPAG	2901	0.01	±0.07	±0.04	0.01	±0.07	±0.04
35MPAG	5076	0.1	±0.2	n/a	0.01	±0.10	±0.05
Millibars	Equivalent psi	Display Resolution	±0.25% ±1 LSD Accuracy	±0.1% ±1 LSD Accuracy	Display Resolution	±0.25% ±1 LSD Accuracy	±0.1% ±1 LSD Accuracy
200MBARG	2.90	0.1	±0.7	n/a	0.1	±0.7	n/a
350MBARG	5.08	1	±2	n/a	0.1	±1.0	±0.5
1000MBARA	14.5 abs	1	±4	n/a	1	±4	n/a
±1000MBARG	±14.5	1	±7	n/a	1	±7	n/a
1000MBARG	14.5	1	±4	±3	1	±4	±3
2000MBARA	29.0 abs	1	±7	n/a	1	±7	n/a
2000MBARG	29.0	1	±7	±4	1	±7	±4
4000MBARG	58.0	1	±12	±6	1	±12	±6
Bar	Equivalent psi	Display Resolution	±0.25% ±1 LSD Accuracy	±0.1% ±1 LSD Accuracy	Display Resolution	±0.25% ±1 LSD Accuracy	±0.1% ±1 LSD Accuracy
-1V/7BAR	-14.5/101.5	0.01	±0.04	n/a	0.01	±0.04	n/a
1BARA	14.50 abs	0.001	±0.004	n/a	0.001	±0.004	n/a
±1BARG	±14.50	0.001	±0.007	n/a	0.001	±0.004	n/a
1BARVAC	-14.50	0.001	±0.004	±0.003	0.001	±0.004	±0.003
1BARG	14.50	0.001	±0.004	±0.003	0.001	±0.004	±0.003
2BARA	29.0 abs	0.001	±0.007	n/a	0.001	±0.007	n/a
2BARG	29.0	0.001	±0.007	±0.004	0.001	±0.007	±0.004
4BARG	58.0	0.01	±0.03	±0.02	0.001	±0.012	±0.006
7BARA	101.5 abs	0.01	±0.03	n/a	0.001	±0.019	n/a
7BARG	101.5	0.01	±0.03	±0.02	0.001	±0.019	±0.008
14BARG	203	0.01	±0.05	±0.03	0.01	±0.05	±0.03
20BARG	290	0.01	±0.07	±0.04	0.01	±0.07	±0.04
35BARG	508	0.1	±0.2	n/a	0.01	±0.10	±0.05
70BARG	1015	0.1	±0.3	±0.2	0.01	±0.19	±0.08
140BARG	2031	0.1	±0.5	±0.3	0.1	±0.5	±0.3
200BARG	2901	0.1	±0.7	±0.4	0.1	±0.7	±0.4
350BARG	5076	1	±2	n/a	0.1	±1.0	±0.5

Pressure



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Gauge Ranges		3½ Digit Display, DPG1000, ARM, F4 Series			4-Digit Display F16 Digi Max		
Kilograms per cm ²	Equivalent psi	Display Resolution	±0.25% ±1 LSD Accuracy	±0.1% ±1 LSD Accuracy	Display Resolution	±0.25% ±1 LSD Accuracy	±0.1% ±1 LSD Accuracy
1KGCMA	14.22 abs	0.001	±0.004	n/a	0.001	±0.004	n/a
±1KGC MG	±14.22	0.001	±0.007	n/a	0.001	±0.007	n/a
1KGC MG	14.22	0.001	±0.004	±0.003	0.001	±0.004	±0.003
2KGCMA	28.4 abs	0.001	±0.007	n/a	0.001	±0.007	n/a
2KGC MG	28.4	0.001	±0.007	±0.004	0.001	±0.007	±0.004
4KGC MG	56.9	0.01	±0.03	±0.02	0.001	±0.012	±0.006
7KGCMA	99.6 abs	0.01	±0.03	n/a	0.001	±0.019	n/a
7KGC MG	99.6	0.01	±0.03	±0.02	0.001	±0.019	±0.009
14KGC MG	199.1	0.01	±0.05	±0.03	0.01	±0.05	±0.03
20KGC MG	284	0.01	±0.07	±0.04	0.01	±0.07	±0.04
35KGC MG	498	0.1	±0.2	n/a	0.01	±0.10	±0.05
70KGC MG	996	0.1	±0.3	±0.2	0.01	±0.19	±0.09
140KGC MG	1991	0.1	±0.5	±0.3	0.1	±0.5	±0.3
200KGC MG	2845	0.1	±0.7	±0.4	0.1	±0.7	±0.4
350KGC MG	4978	1	±2	n/a	0.1	±1.0	±0.5
Grams per cm ²	Equivalent psi	Display Resolution	±0.25% ±1 LSD Accuracy	±0.1% ±1 LSD Accuracy	Display Resolution	±0.25% ±1 LSD Accuracy	±0.1% ±1 LSD Accuracy
1000GCMA	14.22 abs	1	±4	n/a	1	±4	n/a
1000GC MG	14.22	1	±4	±3	1	±4	±3
2100GCMA	29.9 abs	1	±7	n/a	1	±7	n/a
2100GC MG	29.9	1	±7	±4	1	±7	±4
mmHg or Torr (Mercury @ 0°C)	Equivalent psi	Display Resolution	±0.25% ±1 LSD Accuracy	±0.1% ±1 LSD Accuracy	Display Resolution	±0.25% ±1 LSD Accuracy	±0.1% ±1 LSD Accuracy
150MMHGG	2.90	0.1	±0.5	n/a	0.1	±0.5	n/a
260MMHGG	5.03	1	±2	n/a	0.1	±0.8	±0.4
760TORRA	14.7 abs	1	±3	n/a	0.1	±2.1	n/a
760MMHGA	14.7 abs	1	±3	n/a	0.1	±2.1	n/a
760MMHGVAC	-14.7	1	±3	n/a	0.1	±2.1	n/a
760MMHGG	14.7	1	±3	±2	0.1	±2.1	±0.9
1600MMHGA	30.9 abs	1	±5	n/a	1	±5	n/a
1600MMHGG	30.9	1	±5	±3	1	±5	±3
cm H ₂ O (H ₂ O @ 20°C)	Equivalent psi	Display Resolution	±0.25% ±1 LSD Accuracy	±0.1% ±1 LSD Accuracy	Display Resolution	±0.25% ±1 LSD Accuracy	±0.1% ±1 LSD Accuracy
200CMH2OG	2.84	0.1	±0.7	n/a	0.1	±0.7	n/a
350CMH2OG	4.97	1	±2	n/a	0.1	±1.0	±0.5
1000CMH2OG	14.2	1	±4	±3	1	±4	±3
2100CMH2OG	29.8	1	±7	±4	1	±7	±4
mm H ₂ O (H ₂ O @ 20°C)	Equivalent psi	Display Resolution	±0.25% ±1 LSD Accuracy	±0.1% ±1 LSD Accuracy	Display Resolution	±0.25% ±1 LSD Accuracy	±0.1% ±1 LSD Accuracy
2100MMH2OG	2.98	1	±7	n/a	1	±7	n/a
3500MMH2OG	4.97	n/a	n/a	n/a	1	±10	±5
Atmospheres	Equivalent psi	Display Resolution	±0.25% ±1 LSD Accuracy	±0.1% ±1 LSD Accuracy	Display Resolution	±0.25% ±1 LSD Accuracy	±0.1% ±1 LSD Accuracy
1ATMG	14.70	0.001	±0.004	±0.003	0.001	±0.004	±0.003
2ATMG	29.39	0.01	±0.02	±0.02	0.001	±0.007	±0.004
4ATMG	58.8	0.01	±0.03	±0.02	0.001	±0.012	±0.006
7ATMG	102.9	0.01	±0.03	±0.02	0.001	±0.019	±0.008
14ATMG	206	0.01	±0.05	±0.03	0.01	±0.05	±0.03
20ATMG	294	0.01	±0.07	±0.04	0.01	±0.07	±0.04
35ATMG	514	0.1	±0.2	n/a	0.01	±0.10	±0.05
70ATMG	1029	0.1	±0.3	±0.2	0.01	±0.19	±0.08
135ATMG	1984	0.1	±0.5	±0.3	0.1	±0.5	±0.3
200ATMG	2939	0.1	±0.7	±0.4	0.1	±0.7	±0.4
340ATMG	4997	1	±2	n/a	0.1	±1.0	±0.5

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