

# Pressure Unit Conversion Constants

(Most commonly used - per international conventions; \* = exact conversion factor)

ALL SENSORS®

TO OBTAIN ►		Pounds Per Square Inch	in. H <sub>2</sub> O (at 39.2°F)	in. Hg (at 32°F)	Kilopascal (Pa = N/m <sup>2</sup> )	Millibar	cm H <sub>2</sub> O (at 4°C)	mm Hg (at 0°C) (Torr)	kgf/cm <sup>2</sup>	Atmosphere (standard)
▼ MULTIPLY	Pounds Per Square Inch	1.000	27.681	2.036	6.8948	68.948	70.309	51.715	7.0307 x 10 <sup>-2</sup>	6.805 x 10 <sup>-2</sup>
	in. H <sub>2</sub> O (at 39.2°F)	3.6126 x 10 <sup>-2</sup>	1.000	7.3554 x 10 <sup>-2</sup>	0.2491	2.491	2.5400*	1.8683	2.54 x 10 <sup>-3</sup> *	2.458 x 10 <sup>-3</sup>
	in. Hg (at 32°F)	0.4912	13.595	1.000	3.3864	33.864	34.532	25.400*	3.4531 x 10 <sup>-2</sup>	3.342 x 10 <sup>-2</sup>
	Kilopascal (Pa = N/m <sup>2</sup> )	0.14504	4.0147	0.2953	1.000	10.000*	10.1973	7.5006	1.0197 x 10 <sup>-2</sup>	9.8692 x 10 <sup>-3</sup>
	Millibar	0.01450	0.40147	0.02953	0.100*	1.000	1.01973	0.75006	1.0197 x 10 <sup>-3</sup>	9.8692 x 10 <sup>-4</sup>
	cm H <sub>2</sub> O (at 4°C)	1.4223 x 10 <sup>-2</sup>	0.3937	2.8958 x 10 <sup>-2</sup>	0.09806	0.9806	1.000	0.7355	1.0 x 10 <sup>-3</sup>	9.678 x 10 <sup>-4</sup>
	mm Hg (at 0°C) (Torr)	1.9337 x 10 <sup>-2</sup>	0.53525	3.9370 x 10 <sup>-2</sup>	0.13332	1.3332	1.3595	1.000	1.3595 x 10 <sup>-3</sup>	1.3158 x 10 <sup>-3</sup>
	kgf/cm <sup>2</sup>	14.223	393.71	28.959	98.0665	9.8067 x 10 <sup>2</sup>	1.000 x 10 <sup>3</sup>	7.3556 x 10 <sup>2</sup>	1.000	0.9678
	Atmosphere (standard)	14.696	406.79	29.921	1.0133 x 10 <sup>2</sup>	1.0133 x 10 <sup>3</sup>	1.033 x 10 <sup>3</sup>	7.600 x 10 <sup>2</sup>	1.0332	1.000

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