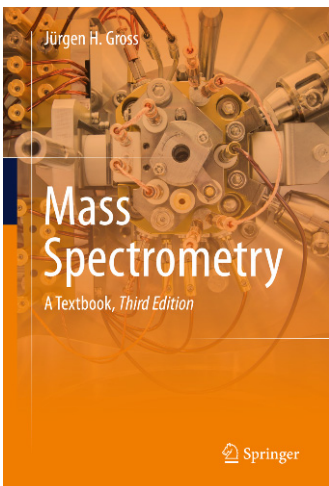


Pressure Conversion Table and Vacuum Terminology

This table provides rapid access to pressure units, their mutual interconversion factors and vacuum ranges.

Vacuum Quality	Unit	Pascal	bar	millibar	Torr	millitorr	pounds per square inch
	Symbol	Pa	bar	mbar	Torr	mTorr	psi
Rough Vacuum	Pressure	10⁵	1	1000	752	751880	14.5
		10⁴	0.1	100	75.2	75188	1.45
		10³	0.01	10	7.52	7519	0.145
		100	0.001	1	0.752	752	0.015
Medium Vacuum		10	10 ⁻⁴	0.1	0.075	75.2	1.5x10 ⁻³
		1	10 ⁻⁵	0.01	7.5x10 ⁻³	7.52	1.5x10 ⁻⁴
		10⁻¹	10 ⁻⁶	10⁻³	7.5x10 ⁻⁴	0.752	1.5x10 ⁻⁵
High Vacuum		10⁻²	10 ⁻⁷	10⁻⁴	7.5x10 ⁻⁵	0.075	1.5x10 ⁻⁶
		10⁻³	10 ⁻⁸	10⁻⁵	7.5x10 ⁻⁶	7.5x10⁻³	1.5x10 ⁻⁷
		10⁻⁴	10 ⁻⁹	10⁻⁶	7.5x10 ⁻⁷	7.5x10⁻⁴	1.5x10 ⁻⁸
		10⁻⁵	10 ⁻¹⁰	10⁻⁷	7.5x10 ⁻⁸	7.5x10 ⁻⁵	1.5x10 ⁻⁹
Ultrahigh Vacuum		10⁻⁶	10 ⁻¹¹	10⁻⁸	7.5x10 ⁻⁹	7.5x10 ⁻⁶	1.5x10 ⁻¹⁰
		10⁻⁷	10 ⁻¹²	10⁻⁹	7.5x10 ⁻¹⁰	7.5x10 ⁻⁷	1.5x10 ⁻¹¹
		10⁻⁸	10 ⁻¹³	10⁻¹⁰	7.5x10 ⁻¹¹	7.5x10 ⁻⁸	1.5x10 ⁻¹²
		10⁻⁹	10 ⁻¹⁴	10⁻¹¹	7.5x10 ⁻¹²	7.5x10 ⁻⁹	1.5x10 ⁻¹³



$$1 \text{ bar} = 1000 \text{ mbar} = 10^5 \text{ Pa} \quad 1 \text{ Torr} = 133 \text{ Pa} \quad 1 \text{ psi} = 6895 \text{ Pa} = 68.95 \text{ mbar}$$

Useful ranges are in bold face.