

# metric conversion tables



Quantity	Metric Unit and Symbol	Conversion Factors Imperial to Metric Units	Metric to Imperial Units
<b>Length</b>	Millimetre (mm) Metre (m, 100cm) Kilometre (km, 1000m)	1 in = 25.4 mm 1 ft = 304.8 mm 1 mile = 1.61 km	1 mm = 0.0394 in 1 m = 3.28 ft 1km = 0.62 mile
<b>Mass / Weight</b>	Gram (g) Kilogram (kg, 1000g) tonne (t, 1000kg)	1 oz = 28.3 g 1 lb = 454 g 1 ton = 1.02 t	1 g = 0.0353 oz 1kg = 2.2 lb 1 t = 0.98 ton 1 metric ton = 2200 lbs
<b>Pressure</b>	Kilopascal (kPa)	1 psi = 6.895 kPa 1 bar = 14.5 psi 1 kgf/cm <sup>2</sup> = 98.07 kPa 1 in Water Gauge = 0.250 kPa	1 kPa = 0.145 psi 100 kPa = 14.5 psi 1000 kPa = 1 mPa 1 bar = 100 kPa
<b>Atmospheric Pressure</b>		14.696 psi = 101.32 kPa	100 kPa absolute
<b>Temperature</b>	Degree Celsius (°C) Kilowatt	°C = 5/9 (°F-32)	°F = 9 x °C/5 + 32
<b>Linear Expansion</b>		1in/100ft = 0.833 mm/m	1mm/m = 1.20 in
<b>Force</b>		1 lb force = 4.448 N 1 lb force = 0.0044 Kn	1 N = 0.102 kg force 1kN = 101.97 kg force
<b>Power</b>	Kilowatt (kW)	1 hp = 0.746 kw	1 kW = 1.34 hp
<b>Speed</b>	Kilometer per hour (km/h)	1 mph = 1.66 km/h	1 km/h = 0.621 mph

Data sheet – TR 001

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