



Appendix D: Metric Units

International Metric System (Partial list of frequently used units)

Linear Measurement Units: millimeter(mm), centimeter(cm), decimeter(dm), meter(m), kilometer(km)

(Length, Width, Height, Distance)

1000 millimeters = 1 meter
100 centimeters = 1 meter
10 decimeters = 1 meter
10 millimeters = 1 centimeter
10 centimeters = 1 decimeter
1000 meters = 1 kilometer

Weight Measurement Units: milligram(mg), gram(g), kilogram(kg), tonne(t)

1000 milligrams = 1 gram
1000 grams = 1 kilogram
1000 kilograms = 1 tonne

Volume Measurement Units: milliliter (mL) liter (L) cubic meter(m³)

1000 milliliters = 1 liter
1000 liters = 1 cubic meter

Some Metric to Customary conversions (accurate to 3 decimal places)

1 centimeter = 0.394 inches
1 meter = 3.281 feet
1 meter = 39.372 inches
1 kilometer = 0.621 miles

1 kilogram = 35.28 ounces
1 kilogram = 2.205 pounds

1 liter = 1.057 quarts
1 liter = 0.264 gallons