

OAKTON® TECH TIPS

Converting ppm to ppt and μ S to mS

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Converting ppm to ppt:

ppm = parts per million ppt = parts per thousand
1 ppm = 0.001 ppt 1 ppt = 1000 ppm

A meter that reads 0 to 10,000 ppm is the equivalent of a meter that reads from 0 to 10.00 ppt.
A reading of 5000 ppm is equal to a reading of 5.00 ppt.

To convert ppm readings to ppt, divide the ppm reading by 1000.
For example a reading of 5000 ppm = $5000 \text{ ppm} / 1000 = 5.00 \text{ ppt}$.

To convert ppt readings to ppm, multiply the ppt reading by 1000.
For example a reading of 4.00 ppt = $4.00 \text{ ppt} \times 1000 = 4000 \text{ ppm}$.

Converting μ S to mS:

μ S = microSiemens mS = milliSiemens
1 μ S = 0.001 mS 1 mS = 1000 μ S

A meter that reads from 0 to 19,900 μ S is equivalent to a meter that reads from 0 to 19.90 mS.
A reading of 9000 μ S is equal to a reading of 9.00 mS.

To convert μ S readings to mS, divide the μ S reading by 1000.
For example a reading of 5000 μ S = $5000 \mu\text{S} / 1000 = 5.00 \text{ mS}$.

To convert mS readings to μ S, multiply the mS reading by 1000.
For example a reading of 4.00 mS = $4.00 \text{ mS} \times 1000 = 4000 \mu\text{S}$.