



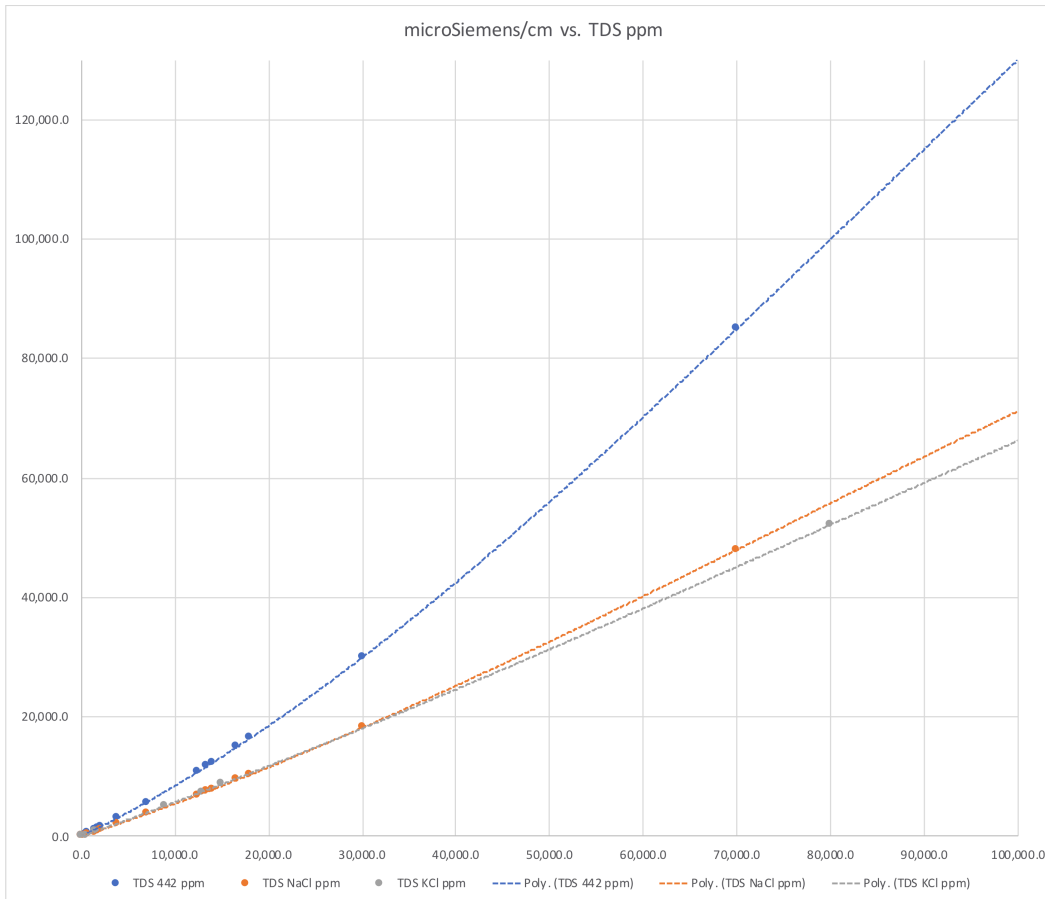
## CONDUCTIVITY TO TOTAL DISSOLVED SOLIDS (TDS) CONVERSION TABLE

Conductivity at 25 °C	TDS KCl		TDS NaCl		TDS 442	
	ppm Value	Factor	ppm Value	Factor	ppm Value	Factor
84 µS	40.38	0.5048	38.04	0.4755	50.50	0.6563
447 µS	225.6	0.5047	215.5	0.4822	300.0	0.6712
1413 µS	744.7	0.5270	702.1	0.4969	1000	0.7078
1500 µS	757.1	0.5047	737.1	0.4914	1050	0.7000
8974 µS	5101	0.5685	4487	0.5000	7608	0.8478
12,880 µS	7447	0.5782	7230	0.5613	11,367	0.8825
15,000 µS	8759	0.5839	8532	0.5688	13,455	0.8970
80 ms	52,168	0.6521	48,384	0.6048	79,688	0.9961

TDS 442 – This solution best represents natural freshwater. The 442 standard was nearly 50 years ago and it is still the world’s most accepted standard.

TDS NaCl – This sodium chloride solution best represents seawater, brackish water, or other high saline solution.

KCl TDS – This potassium chloride solution is a very stable salt and is an international calibration standard for conductivity measurements.



**Total dissolved solids (TDS) units are computed from measured conductivity. The curves that define relationship between the measured conductivity are user selectable total dissolved solid (TDS) units of NaCl, KCl or 442 are programmed into smart digital HiQDT MODBUS RTU conductivity sensors with full range of 0 to 100,000 ppm. The actual usable range may be limited by the choice of cell constant and range mode in which the sensor is operated.**

Other types of total dissolved solids (TDS) for other electrolytes or electrolyte mixtures can be programmed into the smart digital HiQDT MODBUS RTU sensors on a special-order basis (minimum order requirements apply for such special programming requests). Inquire to the factory if you have need for such special TDS units for your smart digital HiQDT MODBUS RTU conductivity sensors.