

Specific Gravity to Salinity Conversion Table for 60°F/60°F Hydrometers
 Values taken from tables provided by the LaMotte Company, Chestertown, MD, USA

Temperature (°C)

Observed Reading	-1.0	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0
0.9980	.	.	.	.	.	.	.	.	.	.	.
0.9990	.	.	.	.	.	.	.	.	.	.	.
1.0000	.	.	.	.	.	.	.	.	.	.	.
1.0010	0.6	0.6	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.5
1.0020	1.9	1.9	1.6	1.6	1.6	1.6	1.5	1.5	1.6	1.6	1.6
1.0030	3.2	3.1	2.9	2.9	2.8	2.8	2.8	2.8	2.8	2.9	2.9
1.0040	4.4	4.2	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.2	4.2
1.0050	5.7	5.5	5.4	5.4	5.4	5.3	5.3	5.4	5.4	5.4	5.5
1.0060	6.8	6.8	6.6	6.6	6.6	6.6	6.6	6.6	6.7	6.7	6.8
1.0070	8.1	8.0	7.9	7.9	7.9	7.9	7.9	7.9	7.9	8.0	8.1
1.0080	9.3	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.3	9.3
1.0090	10.5	10.5	10.4	10.4	10.4	10.4	10.4	10.5	10.5	10.6	10.6
1.0100	11.8	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.8	11.8	11.9
1.0110	13.0	13.0	12.8	12.8	12.8	12.8	13.0	13.0	13.0	13.1	13.2
1.0120	14.3	14.1	14.1	14.1	14.1	14.1	14.1	14.3	14.3	14.4	14.5
1.0130	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.6	15.7	15.8
1.0140	16.7	16.6	16.6	16.6	16.6	16.6	16.7	16.7	16.9	17.0	17.0
1.0150	17.9	17.9	17.9	17.9	17.9	17.9	17.9	18.0	18.0	18.2	18.3
1.0160	19.2	19.1	19.1	19.1	19.1	19.2	19.2	19.3	19.3	19.5	19.6
1.0170	20.4	20.4	20.4	20.4	20.4	20.4	20.5	20.5	20.6	20.8	20.9
1.0180	21.7	21.7	21.6	21.6	21.7	21.7	21.7	21.8	22.0	22.1	22.2
1.0190	22.9	22.9	22.9	22.9	22.9	23.0	23.0	23.1	23.3	23.4	23.5
1.0200	24.2	24.2	24.2	24.2	24.2	24.2	24.3	24.3	24.4	24.6	24.7
1.0210	25.3	25.3	25.3	25.3	25.5	25.5	25.6	25.6	25.7	25.9	26.0
1.0220	26.6	26.6	26.6	26.6	26.6	26.8	26.8	26.9	27.0	27.2	27.3
1.0230	27.8	27.8	27.8	27.8	27.9	27.9	28.1	28.2	28.3	28.5	28.6
1.0240	29.1	29.1	29.1	29.1	29.1	29.4	29.4	29.5	29.5	29.8	29.9
1.0250	30.3	30.3	30.4	30.4	30.4	30.6	30.6	30.7	30.8	30.9	31.1
1.0260	31.6	31.6	31.6	31.6	31.7	31.7	31.9	32.0	32.1	32.2	32.4
1.0270	32.8	32.8	32.9	32.9	32.9	33.0	33.2	33.3	33.4	33.5	33.7
1.0280	34.1	34.1	34.1	34.1	34.2	34.5	34.5	34.5	34.7	34.8	35.0
1.0290	35.2	35.2	35.4	35.4	35.5	35.6	35.6	35.8	35.9	36.2	36.3
1.0300	36.5	36.5	36.7	36.7	36.7	36.9	36.9	37.1	37.2	37.3	37.6
1.0310	37.7	37.7	37.8	37.8	38.0	38.1	38.2	38.4	38.5	38.6	38.9

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Temperature (°C)

Observed Reading	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	18.5	19.0
0.9980
0.9990	.	.	.	.	.	.	.	.	.	.	.
1.0000	.	.	.	.	.	.	0.0	0.2	0.3	0.5	0.6
1.0010	0.5	0.6	0.6	0.7	0.8	1.0	1.2	1.5	1.6	1.8	1.9
1.0020	1.8	1.9	2.0	2.1	2.3	2.4	2.5	2.8	2.9	3.1	3.2
1.0030	3.1	3.2	3.3	3.4	3.6	3.7	3.8	4.1	4.2	4.4	4.5
1.0040	4.4	4.5	4.6	4.8	4.9	5.0	5.1	5.4	5.5	5.7	5.8
1.0050	5.5	5.7	5.8	5.9	6.2	6.3	6.6	6.7	7.0	7.1	7.1
1.0060	6.8	7.0	7.1	7.2	7.5	7.6	7.9	8.0	8.3	8.4	8.5
1.0070	8.1	8.3	8.4	8.5	8.8	8.9	9.2	9.3	9.6	9.7	9.8
1.0080	9.4	9.6	9.7	9.8	10.0	10.2	10.5	10.6	10.9	11.0	11.1
1.0090	10.7	10.9	11.0	11.1	11.3	11.5	11.8	11.9	12.2	12.3	12.4
1.0100	12.0	12.2	12.3	12.4	12.6	12.8	13.1	13.2	13.5	13.6	13.7
1.0110	13.4	13.5	13.6	13.7	13.9	14.1	14.4	14.5	14.8	14.9	15.0
1.0120	14.7	14.8	14.9	15.0	15.2	15.4	15.7	15.8	16.1	16.2	16.3
1.0130	15.8	16.0	16.2	16.3	16.5	16.7	17.0	17.1	17.4	17.5	17.7
1.0140	17.1	17.3	17.5	17.7	17.8	18.0	18.3	18.6	18.7	18.8	19.0
1.0150	18.4	18.6	18.8	19.0	19.1	19.3	19.6	19.9	20.0	20.1	20.4
1.0160	19.7	19.9	20.1	20.3	20.4	20.6	20.9	21.2	21.3	21.4	21.7
1.0170	21.0	21.2	21.3	21.6	21.7	22.0	22.2	22.5	22.7	22.9	23.0
1.0180	22.3	22.5	22.6	22.9	23.0	23.3	23.5	23.8	24.0	24.2	24.3
1.0190	23.6	23.8	23.9	24.2	24.3	24.6	24.8	25.1	25.3	25.5	25.6
1.0200	24.8	25.1	25.2	25.5	25.6	25.9	26.1	26.4	26.6	26.8	26.9
1.0210	26.1	26.4	26.5	26.8	26.9	27.2	27.4	27.7	27.9	28.1	28.2
1.0220	27.4	27.7	27.8	28.1	28.2	28.5	28.7	29.0	29.2	29.4	29.5
1.0230	28.7	28.9	29.1	29.4	29.5	29.8	30.0	30.3	30.6	30.7	30.8
1.0240	30.0	30.2	30.4	30.6	30.8	31.1	31.3	31.6	31.9	32.0	32.1
1.0250	31.3	31.5	31.7	31.9	32.1	32.4	32.6	32.9	33.2	33.3	33.4
1.0260	32.6	32.8	33.0	33.2	33.4	33.7	33.9	34.2	34.5	34.6	34.7
1.0270	33.9	34.1	34.3	34.5	34.7	35.0	35.2	35.5	35.8	35.9	36.2
1.0280	35.1	35.4	35.6	35.8	36.0	36.3	36.5	36.8	37.1	37.2	37.5
1.0290	36.4	36.7	36.8	37.1	37.3	37.6	37.8	38.1	38.4	38.6	38.8
1.0300	37.7	38.0	38.1	38.4	38.6	38.9	39.1	39.4	39.7	39.9	40.1
1.0310	39.0	39.3	39.4	39.7	39.9	40.2	40.5	40.7	41.0	41.2	41.4

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Temperature (°C)

Observed Reading	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.5
0.9980
0.9990	.	.	.	.	0.0	0.1	0.2	0.3	0.5	0.6	0.7
1.0000	0.7	0.8	1.0	1.1	1.2	1.4	1.5	1.6	1.8	1.9	2.0
1.0010	2.0	2.1	2.3	2.4	2.5	2.5	2.7	2.8	2.9	3.1	3.2
1.0020	3.3	3.4	3.6	3.7	3.8	4.0	4.1	4.2	4.4	4.6	4.8
1.0030	4.6	4.8	4.9	5.0	5.1	5.3	5.4	5.5	5.8	5.9	6.1
1.0040	5.9	6.1	6.2	6.3	6.4	6.6	6.7	7.0	7.1	7.2	7.4
1.0050	7.2	7.4	7.5	7.6	7.7	7.9	8.1	8.3	8.4	8.5	8.7
1.0060	8.7	8.8	8.9	9.1	9.2	9.3	9.4	9.6	9.7	9.8	10.1
1.0070	10.0	10.1	10.2	10.4	10.5	10.6	10.7	10.9	11.0	11.3	11.4
1.0080	11.3	11.4	11.5	11.7	11.8	11.9	12.0	12.2	12.4	12.6	12.7
1.0090	12.6	12.7	12.8	13.0	13.1	13.2	13.4	13.6	13.7	13.9	14.0
1.0100	13.9	14.0	14.1	14.3	14.4	14.5	14.8	14.9	15.0	15.2	15.3
1.0110	15.2	15.3	15.4	15.6	15.7	16.0	16.1	16.2	16.3	16.5	16.7
1.0120	16.5	16.6	16.7	17.0	17.1	17.3	17.4	17.5	17.7	17.9	18.0
1.0130	17.8	17.9	18.0	18.3	18.4	18.6	18.7	18.8	19.1	19.2	19.3
1.0140	19.1	19.3	19.5	19.6	19.7	19.9	20.0	20.1	20.4	20.5	20.6
1.0150	20.5	20.6	20.8	20.9	21.0	21.2	21.3	21.6	21.7	21.8	22.0
1.0160	21.8	22.0	22.1	22.2	22.3	22.5	22.7	22.9	23.0	23.3	23.4
1.0170	23.1	23.3	23.4	23.5	23.6	23.8	24.0	24.2	24.3	24.6	24.7
1.0180	24.4	24.6	24.7	24.8	24.9	25.2	25.3	25.5	25.6	25.9	26.0
1.0190	25.7	25.9	26.0	26.1	26.4	26.5	26.6	26.8	27.0	27.2	27.3
1.0200	27.0	27.2	27.3	27.4	27.7	27.8	27.9	28.2	28.3	28.5	28.6
1.0210	28.3	28.5	28.6	28.9	29.0	29.1	29.2	29.5	29.6	29.8	30.0
1.0220	29.6	29.8	30.0	30.2	30.3	30.4	30.7	30.8	30.9	31.2	31.3
1.0230	30.9	31.2	31.3	31.5	31.6	31.7	32.0	32.1	32.2	32.5	32.6
1.0240	32.2	32.5	32.6	32.8	32.9	33.2	33.3	33.4	33.7	33.8	33.9
1.0250	33.7	33.8	33.9	34.1	34.2	34.5	34.6	34.7	35.0	35.1	35.2
1.0260	35.0	35.1	35.2	35.4	35.6	35.8	35.9	36.0	36.3	36.4	36.7
1.0270	36.3	36.4	36.5	36.7	36.9	37.1	37.2	37.5	37.6	37.8	38.0
1.0280	37.6	37.7	37.8	38.1	38.2	38.4	38.5	38.8	38.9	39.1	39.3
1.0290	38.9	39.0	39.1	39.4	39.5	39.7	39.9	40.1	40.2	40.5	40.6
1.0300	40.2	40.3	40.6	40.7	40.8	41.0	41.2	41.4	41.6	41.8	41.9
1.0310	41.5	41.8	41.9	42.0	42.1	42.3	42.5	.	.	.	.

Specific Gravity to Salinity Conversion Table for 60°F/60°F Hydrometers
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Temperature (°C)

Observed Reading	30.5	31.0	31.5	32.0	32.5	33.0
0.9980	1.5	1.6	1.9	2.0	2.3	2.4
0.9990	2.8	2.9	3.2	3.4	3.6	3.8
1.0000	4.1	4.4	4.5	4.8	4.9	5.1
1.0010	5.4	5.5	5.8	5.9	6.2	6.4
1.0020	6.8	7.0	7.2	7.5	7.6	7.9
1.0030	8.1	8.4	8.5	8.8	9.1	9.2
1.0040	9.6	9.7	10.0	10.1	10.4	10.5
1.0050	10.9	11.0	11.3	11.5	11.7	11.9
1.0060	12.2	12.4	12.6	12.8	13.1	13.2
1.0070	13.6	13.7	14.0	14.1	14.4	14.7
1.0080	14.9	15.2	15.3	15.6	15.7	16.0
1.0090	16.2	16.5	16.6	16.9	17.1	17.3
1.0100	17.5	17.8	18.0	18.2	18.4	18.7
1.0110	19.0	19.1	19.3	19.6	19.7	20.0
1.0120	20.3	20.5	20.6	20.9	21.2	21.3
1.0130	21.6	21.8	22.1	22.2	22.5	22.7
1.0140	23.0	23.1	23.4	23.6	23.8	24.0
1.0150	24.3	24.6	24.7	24.9	25.2	25.3
1.0160	25.6	25.9	26.1	26.3	26.5	26.8
1.0170	27.0	27.2	27.4	27.7	27.8	28.1
1.0180	28.3	28.5	28.7	29.0	29.2	29.4
1.0190	29.6	29.9	30.0	30.3	30.6	30.8
1.0200	30.9	31.2	31.5	31.6	31.9	32.1
1.0210	32.4	32.5	32.8	33.0	33.3	33.4
1.0220	33.7	33.9	34.1	34.3	34.6	34.8
1.0230	35.0	35.2	35.5	35.6	35.9	36.2
1.0240	36.4	36.5	36.8	37.1	37.2	37.5
1.0250	37.7	37.8	38.1	38.4	38.6	38.8
1.0260	39.0	39.3	39.4	39.7	39.9	40.2
1.0270	40.3	40.6	40.8	41.0	41.2	41.5
1.0280	.	.	.	.	.	.
1.0290	.	.	.	.	.	.
1.0300	.	.	.	.	.	.
1.0310	.	.	.	.	.	.