

**ITS – 90 Table for T - Type Thermocouple (Reference Junction at 0 °C)**

- Thermoelectric voltage in mV for 5 °C Temperature steps

°C	0	5	10	15	20	25	30	35	40	45
-300							-6.258	-6.248	-6.232	-6.209
-250	-6.180	-6.146	-6.105	-6.059	-6.007	-5.950	-5.888	-5.823	-5.753	-5.680
-200	-5.603	-5.523	-5.439	-5.351	-5.261	-5.167	-5.070	-4.969	-4.865	-4.759
-150	-4.648	-4.535	-4.419	-4.300	-4.177	-4.052	-3.923	-3.791	-3.657	-3.519
-100	-3.379	-3.235	-3.089	-2.940	-2.788	-2.633	-2.476	-2.316	-2.153	-1.987
-50	-1.819	-1.648	-1.475	-1.299	-1.121	-0.940	-0.757	-0.571	-0.383	-0.193
0	0.000	0.195	0.391	0.589	0.790	0.992	1.196	1.403	1.612	1.823
50	2.036	2.251	2.468	2.687	2.909	3.132	3.358	3.585	3.814	4.046
100	4.279	4.513	4.750	4.988	5.228	5.470	5.714	5.959	6.206	6.454
150	6.704	6.956	7.209	7.463	7.720	7.977	8.237	8.497	8.759	9.023
200	9.288	9.555	9.822	10.092	10.362	10.634	10.907	11.182	11.458	11.735
250	12.013	12.293	12.574	12.856	13.139	13.423	13.709	13.995	14.283	14.572
300	14.862	15.153	15.445	15.738	16.032	16.327	16.624	16.921	17.219	17.518
350	17.819	18.120	18.422	18.725	19.030	19.335	19.641	19.947	20.255	20.563
400	20.872									