

Typical Voltage Output Data (OTP-538U)

Thermopile Output Voltage [mV]		Thermistor Temperature [°C]													
		-20	-10	0	10	20	25	30	40	50	60	70	80	90	100
Object Temperature [°C]	-20	0.000	-0.246	-0.523	-0.832	-1.177	-1.363	-1.559	-1.981	-2.446	-2.957	-3.516	-4.126	-4.791	-5.513
	-10	0.243	0.000	-0.274	-0.580	-0.922	-1.107	-1.301	-1.721	-2.183	-2.691	-3.247	-3.854	-4.516	-5.236
	0	0.511	0.271	0.000	-0.303	-0.642	-0.825	-1.018	-1.434	-1.894	-2.398	-2.951	-3.556	-4.215	-4.931
	10	0.804	0.567	0.300	0.000	-0.335	-0.517	-0.708	-1.121	-1.577	-2.078	-2.628	-3.229	-3.884	-4.597
	20	1.125	0.891	0.628	0.331	0.000	-0.180	-0.369	-0.778	-1.230	-1.728	-2.274	-2.871	-3.523	-4.232
	30	1.474	1.244	0.985	0.692	0.365	0.187	0.000	-0.405	-0.853	-1.347	-1.889	-2.482	-3.130	-3.835
	40	1.852	1.628	1.372	1.084	0.761	0.586	0.401	0.000	-0.444	-0.933	-1.470	-2.059	-2.702	-3.403
	50	2.263	2.043	1.792	1.509	1.191	1.018	0.835	0.439	0.000	-0.484	-1.017	-1.601	-2.240	-2.936
	60	2.706	2.491	2.246	1.968	1.655	1.484	1.304	0.913	0.479	0.000	-0.528	-1.107	-1.740	-2.431
	70	3.184	2.975	2.735	2.462	2.155	1.987	1.809	1.424	0.996	0.522	0.000	-0.573	-1.201	-1.887
	80	3.698	3.495	3.261	2.994	2.692	2.528	2.353	1.974	1.552	1.084	0.568	0.000	-0.622	-1.301
	90	4.250	4.053	3.825	3.565	3.270	3.108	2.937	2.564	2.148	1.687	1.177	0.616	0.000	-0.673
	100	4.841	4.651	4.430	4.177	3.888	3.730	3.562	3.196	2.787	2.332	1.829	1.275	0.666	0.000
	110	5.473	5.290	5.076	4.830	4.549	4.395	4.231	3.872	3.470	3.023	2.527	1.980	1.379	0.720
	120	6.147	5.972	5.767	5.528	5.255	5.105	4.944	4.593	4.199	3.760	3.272	2.733	2.139	1.488
	130	6.866	6.699	6.502	6.272	6.007	5.861	5.705	5.362	4.976	4.545	4.066	3.535	2.950	2.307
	140	7.631	7.473	7.285	7.064	6.808	6.666	6.514	6.180	5.803	5.381	4.910	4.388	3.812	3.178
	150	8.444	8.295	8.116	7.905	7.658	7.520	7.373	7.049	6.682	6.269	5.807	5.295	4.728	4.103
	160	9.306	9.167	8.998	8.796	8.560	8.427	8.285	7.971	7.613	7.211	6.759	6.257	5.700	5.085
	170	10.219	10.091	9.933	9.741	9.515	9.388	9.251	8.947	8.601	8.208	7.768	7.276	6.729	6.125
	180	11.185	11.068	10.921	10.741	10.526	10.405	10.274	9.981	9.645	9.264	8.835	8.354	7.818	7.226
	190	12.206	12.101	11.966	11.798	11.595	11.479	11.354	11.073	10.749	10.380	9.962	9.493	8.969	8.388
	200	13.284	13.191	13.068	12.913	12.722	12.613	12.494	12.225	11.914	11.557	11.152	10.695	10.184	9.616