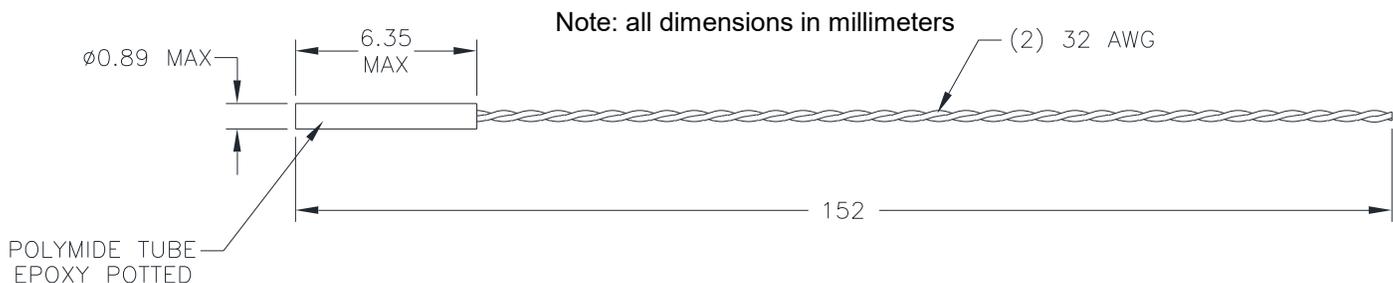
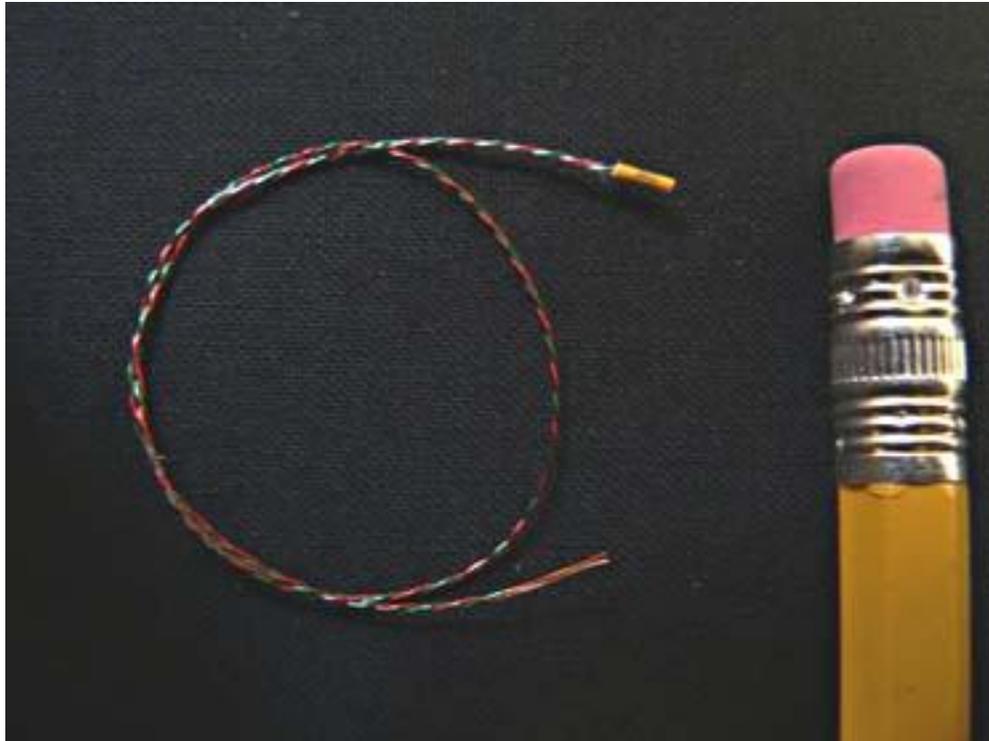


MP-3176

Thermistor Temperature Sensor

- NTC Thermistor / temperature sensor for measuring from -40 °C to +70 °C or -60 °C to +110 °C when used with the TC-720 or TC-720 OEM temperature controller.
- +/-1.0 °C interchangeable tolerance within -40 °C to +75 °C range.
- Sensor can be epoxied into holes for accurate measurements.
- Solid nickel wires have a lower thermal conductivity than copper, reducing influence on temperature measurements.
- Compatible with all TE Technology temperature controllers (except TC-24-10).



Wire leads are solid wire with a thin varnish insulation (similar to magnet wire). Apply appropriate protection to wire bends over sharp edges. Wires may be extended with standard copper wire of any gauge recommended for TE Technology's controllers.

TE TECHNOLOGY, INC.®

Expert Engineering, Precision Manufacturing:
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MP-3176 Thermistor Temperature Sensor

Sensor resistance at 25 °C:	5,000±225 Ω
Sensor tolerance between -40 to 70 °C:	±1.0 °C
Operating range:	-60 °C to +110 °C
Weight:	0.08 grams

TEMPERATURE, °C	RESISTANCE, OHMS						
-60	702900	-17	40860	26	4787	69	906.5
-59	651100	-16	38610	27	4583	70	875.5
-58	603500	-15	36490	28	4389	71	846.5
-57	559700	-14	34500	29	4204	72	818.5
-56	519400	-13	32630	30	4029	73	791
-55	482200	-12	30880	31	3861	74	765
-54	447900	-11	29230	32	3702	75	740
-53	416300	-10	27670	33	3549	76	716
-52	387100	-9	26210	34	3404	77	692.5
-51	360200	-8	24830	35	3266	78	670.5
-50	335300	-7	23540	36	3134	79	649
-49	312300	-6	22320	37	3008	80	628
-48	291000	-5	21170	38	2888	81	608
-47	271300	-4	20080	39	2773	82	589
-46	253000	-3	19060	40	2663	83	570.5
-45	236200	-2	18100	41	2559	84	552.5
-44	220500	-1	17190	42	2459	85	535.5
-43	205900	0	16330	43	2363	86	519
-42	192500	1	15520	44	2272	87	503
-41	180000	2	14750	45	2184	88	487.5
-40	168300	3	14030	46	2101	89	472.6
-39	157500	4	13340	47	2021	90	458.2
-38	147500	5	12700	48	1944	91	444.3
-37	138200	6	12090	49	1871	92	431
-36	129500	7	11510	50	1801	93	418
-35	121400	8	10960	51	1734	94	405.6
-34	113900	9	10440	52	1670	95	393.6
-33	106900	10	9950	53	1608	96	382
-32	100300	11	9485	54	1549	97	370.8
-31	94200	12	9045	55	1493	98	360
-30	88500	13	8630	56	1439	99	349.5
-29	83200	14	8230	57	1387	100	339.4
-28	78250	15	7855	58	1337	101	329.6
-27	73600	16	7500	59	1290	102	320.2
-26	69250	17	7160	60	1244	103	311.1
-25	65200	18	6840	61	1200	104	302.3
-24	61450	19	6535	62	1158	105	293.7
-23	57900	20	6245	63	1117	106	285.5
-22	54550	21	5970	64	1079	107	277.5
-21	51450	22	5710	65	1041	108	269.8
-20	48560	23	5460	66	1006	109	262.3
-19	45830	24	5225	67	971	110	255.1
-18	43270	25	5000	68	938		

Please review the product manual: [Thermoelectric Temperature Controller Sensor Attachment with Notes on Thermocouples](#), FAQ's and related technical information, and ordering information posted on our web site before purchasing or using this product. When used in conjunction with a Peltier-Thermoelectric Cooler Assembly or Module, please review the [Thermoelectric Cooling Assembly \(TCA\) Instruction Manual](#) or [TEM \(Thermoelectric Module\) Mounting Procedure](#). When used in conjunction with a temperature controller, please review the temperature controller manual. These manuals contain general information, guidelines, and precautions for thermoelectric cooling and control applications.

FINAL DETERMINATION OF THE SUITABILITY OF THE PRODUCT IS THE SOLE RESPONSIBILITY OF THE USER. TE TECHNOLOGY MAKES NO WARRANTY, REPRESENTATION OR GUARANTEE REGARDING THE SUITABILITY, NOR DOES TE TECHNOLOGY ASSUME ANY LIABILITY RESULTING FROM USE AND SPECIFICALLY DISCLAIMS ANY AND ALL LIABILITY, INCLUDING WITHOUT LIMITATION CONSEQUENTIAL OR INCIDENTAL DAMAGES.



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