



PIPE PROBE

SPECIFICATIONS

- Robust, compact design
- Improved overall reliability
- Fast response time
- Integrated clip
- Supplied with connector.
- RoHS Compliant

This probe consists of a NTC thermistor soldered to a 24 AWG Stranded TPE cable and potted in a copper housing. The assembly is over molded leaving the copper housing exposed. A metal clip is attached to the final assembly.

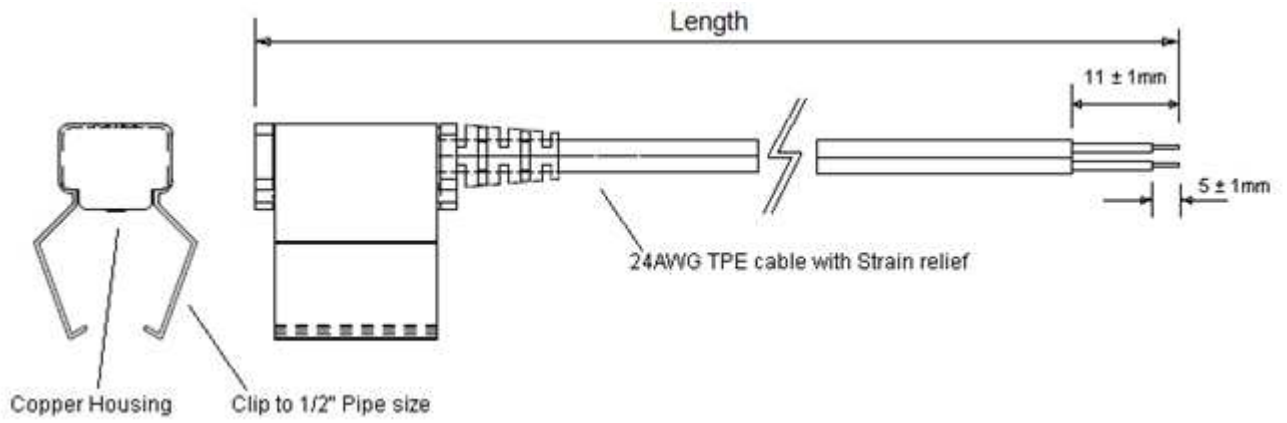


PERFORMANCE SPECS

Parameters	Units	Value
Resistance @ +25°C	Ohms	10,000
Tolerance from +25°C to +85°C	°C	±1
Beta Value 25/85	K	3435
Tolerance on Beta Value	%	±2
Time response on pipe surface (T63)	Seconds	~5
Temperature range	°C	-40 to +125

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MECHANICAL DETAILS



Part Number	Description	Length
10K3D1217	Pipe Probe	1M
10K3D1271	Pipe Probe	3M
10K3D1303	Pipe Probe	10M

PIPE PROBE

RESISTANCE V TEMPERATURE TABLE

Temp °C	KOhms	Temp °C	KOhms	Temp °C	KOhms	Temp. oC	KOhms
-40	186	2	25.11	44	5.061	86	1.39
-39	176.4	3	24.07	45	4.891	87	1.352
-38	167.4	4	23.07	46	4.729	88	1.315
-37	158.8	5	22.13	47	4.572	89	1.28
-36	150.7	6	21.22	48	4.421	90	1.245
-35	143.1	7	20.36	49	4.276	91	1.212
-34	135.9	8	19.53	50	4.137	92	1.18
-33	129.1	9	18.75	51	4.003	93	1.149
-32	122.7	10	18	52	3.873	94	1.118
-31	116.6	11	17.28	53	3.749	95	1.089
-30	110.8	12	16.6	54	3.629	96	1.06
-29	105.4	13	15.94	55	3.513	97	1.033
-28	100.2	14	15.32	56	3.402	98	1.006
-27	95.37	15	14.72	57	3.295	99	0.9801
-26	90.76	16	14.15	58	3.192	100	0.9549
-25	86.39	17	13.6	59	3.092	101	0.9305
-24	82.26	18	13.08	60	2.996	102	0.9069
-23	78.35	19	12.58	61	2.903	103	0.8839
-22	74.64	20	12.1	62	2.814	104	0.8616
-21	71.12	21	11.64	63	2.728	105	0.84
-20	67.79	22	11.21	64	2.645	106	0.819
-19	64.63	23	10.79	65	2.565	107	0.7987
-18	61.64	24	10.38	66	2.487	108	0.7789
-17	58.79	25	10	67	2.413	109	0.7597
-16	56.1	26	9.631	68	2.341	110	0.7411
-15	53.53	27	9.278	69	2.271	111	0.723
-14	51.1	28	8.94	70	2.204	112	0.7054
-13	48.8	29	8.615	71	2.139	113	0.6883
-12	46.6	30	8.304	72	2.076	114	0.6718
-11	44.52	31	8.006	73	2.016	115	0.6556
-10	42.54	32	7.72	74	1.957	116	0.64
-9	40.66	33	7.445	75	1.901	117	0.6248
-8	38.87	34	7.182	76	1.846	118	0.61
-7	37.17	35	6.929	77	1.794	119	0.5956
-6	35.55	36	6.687	78	1.743	120	0.5817
-5	34.01	37	6.454	79	1.693	121	0.5681
-4	32.55	38	6.23	80	1.645	122	0.5549
-3	31.15	39	6.015	81	1.599	123	0.542
-2	29.82	40	5.809	82	1.555	124	0.5295
-1	28.56	41	5.611	83	1.511	125	0.5174
0	27.35	42	5.42	84	1.47		
1	26.2	43	5.237	85	1.429		