

Model 554 Flexible Catheter Probe



- Conversion chart supplied with each probe to allow use with 400 series compatible monitors
- Glass encapsulated bead thermistor sensor
- Extremely fast time response
- High sensitivity to temperature change
- ¼" phone plug connector
- 1.0 mm diameter flexible sensor
- CE Marked for global sales, but not for medical patient use

DESCRIPTION

400-series compatible (with use of conversion chart) flexible catheter probe

FEATURES

- Conversion chart supplied with each probe to allow use with 400 series compatible monitors
- Standard ¼" phone plug connector
- 1.0 mm diameter flexible sensor

APPLICATIONS

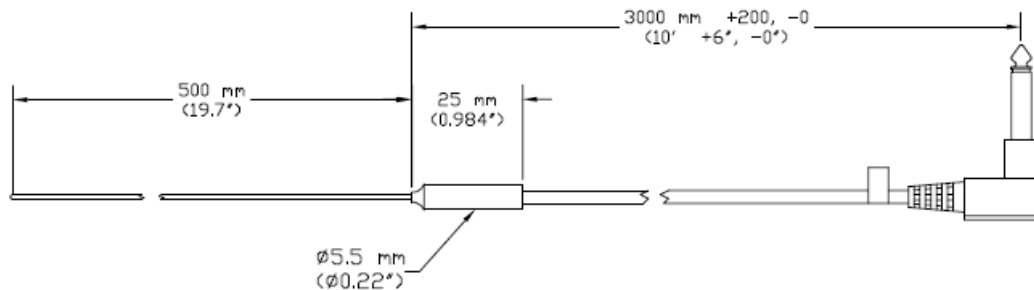
- Laboratory measurements – liquid immersion
- Research use for animal measurements

PERFORMANCE SPECS

Parameter	Units	Value
Resistance @ 25°C (including lead resistance)	Ohms	2252.4
Tolerance 0°C to 70°C (using supplied conversion chart)	°C	± 0.1
Beta Value 25/85 (using supplied conversion chart)	K	3976
Tolerance on Beta Value (using supplied conversion chart)	%	0.4
Typical response time in stirred fluid	Seconds	< 1
Liquid immersion with 15VDC applied	Ohms	> 15Meg

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MECHANICAL DETAILS



RESISTANCE V TEMPERATURE

Note: 400 series response curve shown is compatible with conversion chart supplied with each probe.

Temp °C	K-Ohms
0	7.3554
1	6.9894
2	6.6444
3	6.3194
4	6.0114
5	5.7194
6	5.4444
7	5.1834
8	4.9374
9	4.7034
10	4.4824
11	4.2734
12	4.0744
13	3.8864
14	3.7084
15	3.5394
16	3.3784
17	3.2264
18	3.0814
19	2.9444
20	2.8144
21	2.6904
22	2.5724
23	2.4604
24	2.3544

Temp °C	K-Ohms
25	2.2524
26	2.1564
27	2.0644
28	1.9774
29	1.8944
30	1.8154
31	1.7394
32	1.6674
33	1.5994
34	1.5334
35	1.4714
36	1.4124
37	1.3554
38	1.3014
39	1.2494
40	1.2004
41	1.1524
42	1.1074
43	1.0644
44	1.0234
45	0.9842
46	0.9466
47	0.9106
48	0.8762
49	0.8432

Temp °C	K-Ohms
50	0.8117
51	0.7815
52	0.7526
53	0.7249
54	0.6983
55	0.6729
56	0.6485
57	0.6252
58	0.6028
59	0.5813
60	0.5607
61	0.5409
62	0.5219
63	0.5037
64	0.4862
65	0.4694
66	0.4533
67	0.4378
68	0.4229
69	0.4086
70	0.3949

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ORDERING INFORMATION

Part Number	Description	Ω @25°C	MOQ
050554	554 PROBE 1-MM CATHETER	2252.4	10

* For quantities less than Minimum Order Quantity – contact distribution

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