

# Model 427 Reusable Skin / Surface Probe



- FDA Registered
- CE Marked for global sales
- 400 series nominal resistance response curve
- 2252.4 ohm Resistance @ 25°C (including lead wire resistance)
- Interchangeable  $\pm 0.1^\circ\text{C}$ , 25°C to 45°C per EN 12470,
- Tested to  $\pm 0.1^\circ\text{C}$ , 0°C to 70°C for laboratory use
- Pressed Disk Ceramic Sensor
- High sensitivity
- High temperature capability
- PTFE ribbon cable at thermistor
- $\frac{1}{4}$ " phone plug connector

## DESCRIPTION

400-series skin / surface temperature probe with  $\frac{1}{4}$ " phone plug

## FEATURES

- FDA / CE MDD
- Extremely fast response
- Standard 400 series resistance curve
- Standard  $\frac{1}{4}$ " phone plug connector
- Reuse after cleaning
- PTFE ribbon cable at thermistor

## APPLICATIONS

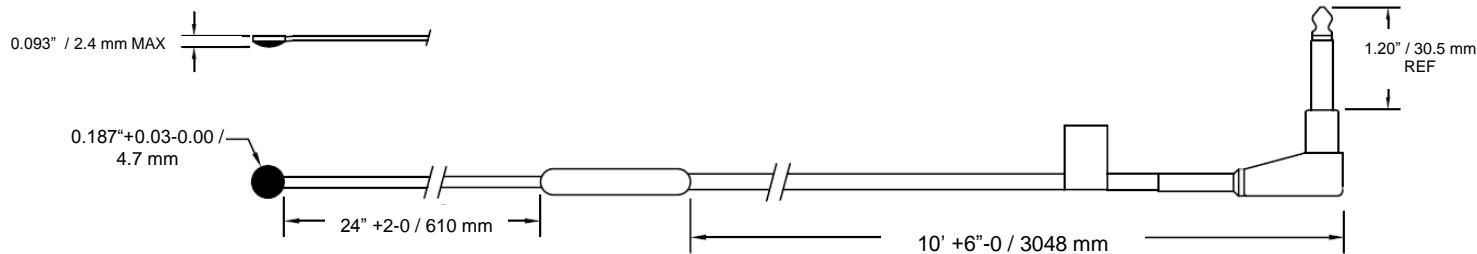
- Continuous patient monitoring
- Surface temperature measurement

## PERFORMANCE SPECS

Parameter	Units	Value
Resistance @ 25°C (including lead resistance)	Ohms	2252.4
Tolerance 0°C to 70°C	°C	$\pm 0.1$
Beta Value 25/85	K	3976
Tolerance on Beta Value	%	0.4
Typical response time in stirred fluid	Seconds	< 1.5
Insulation Resistance (Min. of 100Mohms for 1 Sec.)	Volts	500
Liquid immersion with 15VDC applied	Ohms	> 15Meg

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## MECHANICAL DETAILS



## RESISTANCE V TEMPERATURE TABLE

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

Temp °C	K-Ohms
18	3.0814
19	2.9444
20	2.8144
21	2.6904
22	2.5724
23	2.4604
24	2.3544
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

Temp °C	K-Ohms
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
50	0.8117
51	0.7815
52	0.7526
53	0.7249

Temp °C	K-Ohms
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

## ORDERING INFORMATION

Part Number	Description	Ω @25°C	MOQ
081117	427 PROBE	2252.4	20

\* For quantities less than Minimum Order Quantity – contact distribution

# Model 427 Reusable Skin / Surface Probe

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