

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
- 1/4" phone plug connector

DESCRIPTION

400-series skin / surface temperature probe with 1/4" phone plug

FEATURES

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

APPLICATIONS

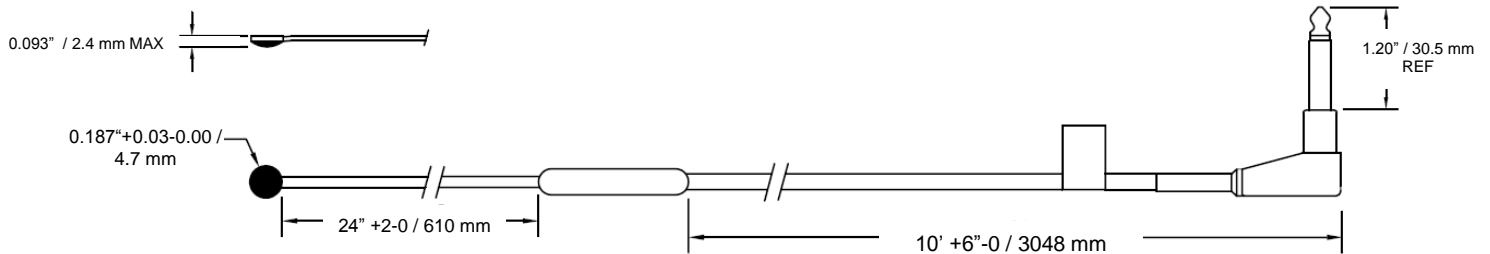
- Continuous patient monitoring
- Surface temperature measurement

PERFORMANCE SPECS

Parameter	Units	Value
Resistance @ 25°C (including lead resistance)	Ohms	2252.4
Tolerance 0°C to 70°C	°C	± 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	Temp °C	K-Ohms	Temp °C	K-Ohms	Temp °C	K-Ohms
0	7.3554	18	3.0814	36	1.4124	54	0.6983
1	6.9894	19	2.9444	37	1.3554	55	0.6729
2	6.6444	20	2.8144	38	1.3014	56	0.6485
3	6.3194	21	2.6904	39	1.2494	57	0.6252
4	6.0114	22	2.5724	40	1.2004	58	0.6028
5	5.7194	23	2.4604	41	1.1524	59	0.5813
6	5.4444	24	2.3544	42	1.1074	60	0.5607
7	5.1834	25	2.2524	43	1.0644	61	0.5409
8	4.9374	26	2.1564	44	1.0234	62	0.5219
9	4.7034	27	2.0644	45	0.9842	63	0.5037
10	4.4824	28	1.9774	46	0.9466	64	0.4862
11	4.2734	29	1.8944	47	0.9106	65	0.4694
12	4.0744	30	1.8154	48	0.8762	66	0.4533
13	3.8864	31	1.7394	49	0.8432	67	0.4378
14	3.7084	32	1.6674	50	0.8117	68	0.4229
15	3.5394	33	1.5994	51	0.7815	69	0.4086
16	3.3784	34	1.5334	52	0.7526	70	0.3949
17	3.2264	35	1.4714	53	0.7249		

ORDERING INFORMATION

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

* For quantities less than Minimum Order Quantity – contact distribution

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