

Model 402 General Purpose 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
- ¼" phone plug connector
- 10 FR max tip diameter

DESCRIPTION

400-series general purpose temperature probe

FEATURES

- FDA / CE MDD
- Standard 400 series resistance response
- Reuse after cleaning
- Standard ¼" phone plug connector

APPLICATIONS

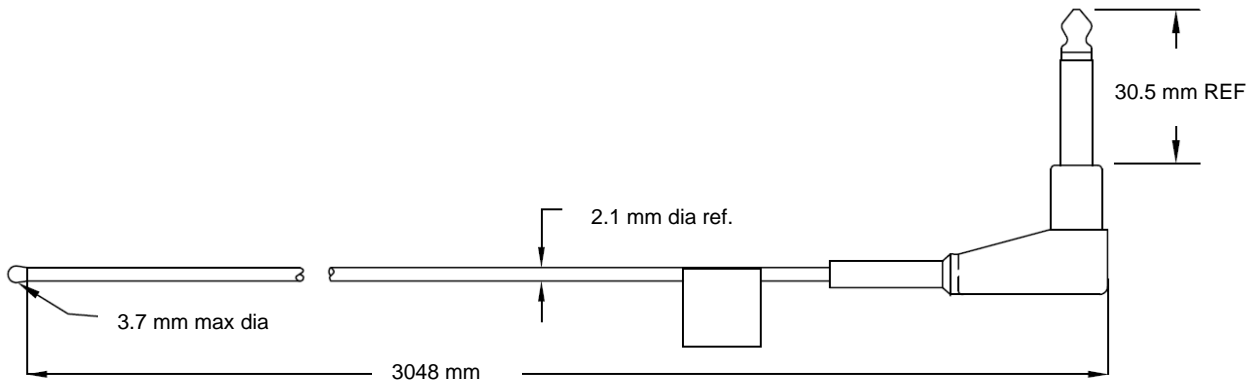
- Continuous patient monitoring
- Esophageal temperature – pediatric
- Rectal temperature measurement – pediatric
- Liquid immersion temperature measurement

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

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ORDERING INFORMATION

| Part Number | Description | Ω @25°C | MOQ |
|-------------|-----------------|----------------|-----|
| 081102 | 402 PROBE,THERM | 2252.4 | 30 |

* For quantities less than Minimum Order Quantity – contact distribution

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