

Model 4499RJ Sterile, Single-Use, Skin Probe

Connector



Sensor & Tempheart

- FDA Registered
- CE Marked for global sales
- Sterile single-use probe
- Skin surface measurement
- 400 series nominal resistance response curve
- 2252.4 ohm Resistance @ 25°C (including adaptor cable lead wire resistance)
- Interchangeable $\pm 0.1^\circ\text{C}$, 25°C to 45°C per EN 12470,
- RJ-11 style connector
- Reflective adhesive "Tempheart" pad included
- RoHS Compliant



DESCRIPTION

400-series sterile single-use temperature probe for skin surface measurement

FEATURES

- FDA / CE MDD
- Standard 400 series resistance response
- Skin probe sensor with adhesive "Tempheart"
- Individual Sterile pouch with 3-year shelf life
- RJ-11 style connector
- 20 probes per box

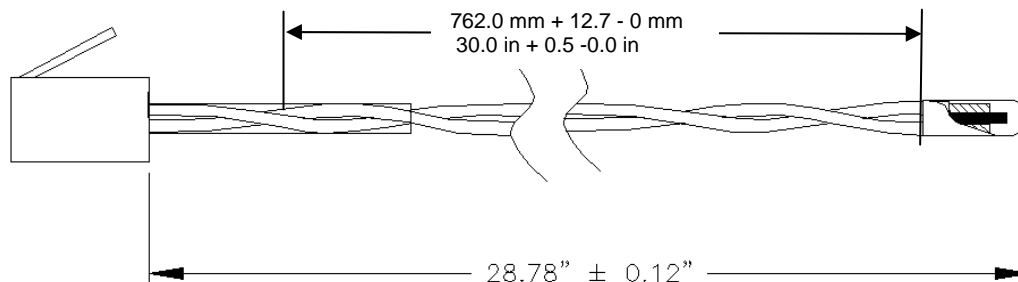
APPLICATIONS

- Continuous patient monitoring
- Skin temperature measurement

PERFORMANCE SPECS

| Parameter | Units | Value |
|---|---------|-----------|
| Resistance @ 25°C (including lead resistance) | Ohms | 2252.4 |
| Tolerance 25°C to 45°C | °C | ± 0.1 |
| Beta Value 25/85 | K | 3976 |
| Tolerance on Beta Value | % | 0.4 |
| Typical response time in stirred fluid | Seconds | < 9 |
| Insulation Resistance (Min. of 100Mohms for 1 Sec.) | Volts | 500 |
| Liquid immersion with 15VDC applied | Ohms | > 15Meg |

MECHANICAL DETAILS



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RESISTANCE VS TEMPERATURE VALUES

| Temp °C | K Ohms |
|---------|--------|
| 25 | 2.2524 |
| 26 | 2.1564 |
| 27 | 2.0644 |
| 28 | 1.9774 |
| 29 | 1.8944 |
| | |

| Temp °C | K Ohms |
|---------|--------|
| 30 | 1.8154 |
| 31 | 1.7394 |
| 32 | 1.6674 |
| 33 | 1.5994 |
| 34 | 1.5334 |
| | |

| Temp °C | K Ohms |
|---------|--------|
| 35 | 1.4714 |
| 36 | 1.4124 |
| 37 | 1.3554 |
| 38 | 1.3014 |
| 39 | 1.2494 |
| | |

| Temp °C | K Ohms |
|---------|--------|
| 40 | 1.2004 |
| 41 | 1.1524 |
| 42 | 1.1074 |
| 43 | 1.0644 |
| 44 | 1.0234 |
| 45 | 0.9842 |

ORDERING INFORMATION

| Part Number | Description | Ω @25°C | MOQ |
|-------------|-------------------------------|----------------|----------|
| 861551TP | 4499RJ Skin Probe (Box of 20) | 2252.4 * | 10 Boxes |

* When using 4940 adaptor cable

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