Type 95 Series NTC Thermistors for Medical Applications

Thermometrics Type 95 Series NTC Thermistors are precision, solid state temperature sensors, providing high reliability and stability over an interchangeable range.

Features
- Interchangeable NTC Chip Thermistor, which produces a tight interchangeable tolerance against our published resistance versus temperature curves.
- These thermistors exhibit excellent stability across the interchangeable range.
- Resin coating for mechanical strength and resistance to solvents.
- Flexible bare leads for the DC and EC style, and fully insulated leads for the TK style.

Applications
- General patient probes
- Blood (fluid) analyzers
- Cleaning / disinfection
- Oxygenators
- General equipment
- Air temperature

Specifications
- Max OD: 0.095” (2.4mm)
- Resistance at 25°C: 2kΩ to 100kΩ
  - Featuring: 2252Ω (400 series), 10kΩ (25/85 Beta of 3977K, 3969K, and 3690K)
- Interchangeability:
  - “U”: ±0.2°C from -20°C to 50°C (EC)
  - “V”: ±0.1°C from 0°C to 70°C (DC, EC, and TK)
  - “W”: ±0.2°C from 0°C to 70°C (DC, EC, and TK)
  - “Z”: ±0.2°C from 0°C to 100°C (DC and EC)

Ordering Code Options

<table>
<thead>
<tr>
<th>Type</th>
<th>Material (25/85 Beta)</th>
<th>Code (Resistance in Ω @ 25°C, Material)</th>
<th>Tolerance</th>
<th>RoHS Status</th>
</tr>
</thead>
</table>
| DC95 | F (3969) Y,10kΩ (3690)  
      | H (3936) G (4252) Y,100kΩ (3699) | 202 (2k,F)  
      | 232 (2252,F)  
      | 302 (3k,F)  
      | 502 (5k,F)  
      | 103 (10k,F,Y)  
      | 303 (30k,H)  
      | 503 (50k,G)  
      | 104 (100k,G,Y) | V: ±0.1°C (0°C to 70°C)  
      | W: ±0.2°C (0°C to 70°C)  
      | Z: ±0.2°C (0°C to 100°C) | n/a: Non-compliant  
      | N: Compliant  
      | H: Compliant |
| EC95 | F (3969) Y,10kΩ (3690)  
      | H (3936) G (4252) Y,100kΩ (3699) | 232 (2252,F)  
      | 302 (3k,F)  
      | 502 (5k,F)  
      | 103 (10k,F,Y)  
      | 303 (30k,H)  
      | 503 (50k,G)  
      | 104 (100k,G,Y) | U: ±0.2°C (-20°C to 50°C)  
      | V: ±0.1°C (0°C to 70°C)  
      | W: ±0.2°C (0°C to 70°C)  
      | Z: ±0.2°C (0°C-100°C) | n/a: Non-compliant  
      | N: Compliant  
      | H: Compliant |
| TK95 | F (3977) Y,10kΩ (3690)  
      | H (3936) G (4252) | 202 (2k,F)  
      | 232 (2252,F)  
      | 302 (3k,F)  
      | 502 (5k,F)  
      | 103 (10k,F,Y)  
      | 303 (30k,H)  
      | 503 (50k,G)  
      | 104 (100k,G) | V: ±0.1°C (0°C to 70°C)  
      | W: ±0.2°C (0°C to 70°C) | n/a: Compliant  
      | N: Compliant  
      | H: Compliant |