

## 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

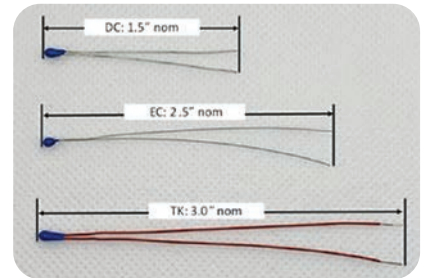
- Interchangeable NTC Chip Thermistor, which produces a tight interchangeable tolerance against our published resistance versus temperature curves.
- These thermistors exhibit excellent stability across the interchangeable range.
- Resin coating for mechanical strength and resistance to solvents.
- Flexible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

Example: DC95F103VN						
DC95	F		103		V	N
Type	Material (25/85 Beta)		Code (Resistance in Ω @ 25°C, Material)		Tolerance	RoHS Status
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