

Bioreactor Temperature Sensors

Model 21140

У Description

The Burns Engineering Bioreactor Temperature Sensor is a high quality platinum resistance thermometer for use with disposable bioreactor bags.

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Application

Used for control and monitoring the temperature of the contents of disposable bioreactor bags. Our sensors can be modified to fit the unique requirements of your disposable bioreactor bags.

Features and Benefits

- Luer type process connection adapts to popular bag fittings
- Small diameter fits easily into bag thermowells
- Stable and repeatable output for successful runs and multiple calibration cycles: builds confidence in your FDA inspector

Specifications

Temp Range: 0°C to +50°C

Element Configuration: Single element, 100 ohms at 0°C, .00385 ohm/ohm/°C nominal alpha

Stability: ±0.05°C (0.02 ohms) maximum shift at 0°C after 1000 hours at 50°C

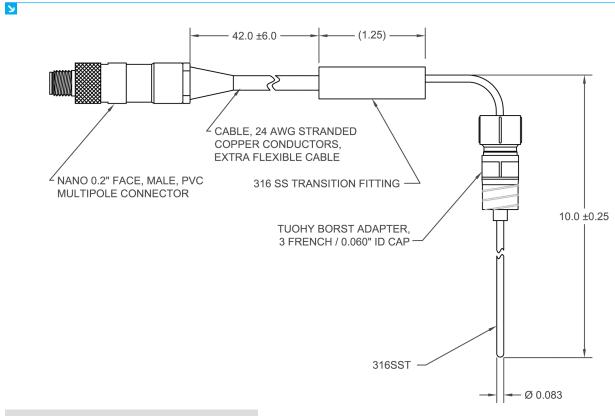
Repeatability: ±0.10°C (0.04 ohms) maximum shift at 0°C after 10 cycles between 0°C and 50°C

R0 Interchangeability: R0 ±0.05 ohms

Short-Term Repeatability and Hysteresis: ±.025°C (0.01 ohms) maximum change at 0°C over any 5 consecutive thermal cycles from 0°C to +50°C

Transition Fitting and Cable Temp Limits: 0°C to +50°C continuous

Insulation Resistance: 50 megohms minimum at 100 VDC at room temp



What will your next solution BE?

Durable temperature sensors that deliver accurate, stable and repeatable measurements. BE confident. Trust Burns Engineering for the most creative solutions to your most challenging temperature-sensing needs.

For current model numbers and precise ordering information, visit burnsengineering.com and search > BIOREACTOR



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