

YSI THERMILINEAR®
THERMISTOR COMPOSITE

YSI 44018

003



YSI Incorporated

Yellow Springs Instrument Co., Inc.
Yellow Springs, Ohio 45387 USA • Phone 513 767-7241 • Telex 205437

CERTIFICATE OF TRACEABILITY

We certify that this product was calibrated during manufacturing using standards whose calibrations are traceable to the National Bureau of Standards or are derived from accepted values of natural physical constants. As manufactured, it met or exceeded its current specifications.

William K. Lewis

William K. Lewis
Manager
Corporate Quality Assurance

Philip D Metz

Philip D. Metz
Manager of Metrology

ITEM 000006 A40196 C



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CERTIFICATE OF TRACEABILITY

We certify that this product was calibrated during manufacture using standards whose calibrations are traceable to the National Institute of Standards and Technology (formerly the National Bureau of Standards) or are derived from accepted values of natural physical constants. As manufactured, it met or exceeded its current specifications.

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ITEM 000006 B40196E

Max. Operating Temp: 105°C (220°F).

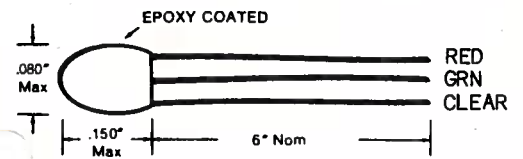
Accuracy and Interchangeability: ±0.15°C when incorporated in a Standard YSI Thermilinear network.

Time Constant, Max: 1 sec. in well-stirred oil, 10 sec. in still air. Time constant is the time required for a thermistor to indicate 63% of a newly impressed temperature.

Dissipation Constant, Min: 8mW/°C in well-stirred oil, 1mW/°C in still air. Dissipation constant is the power in milliwatts required to raise a thermistor 1°C above surrounding temperature.

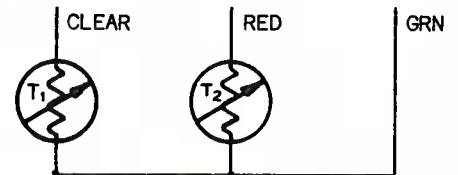
Color Code: Brown epoxy body, gray end.

Storage Temperature: -80 to +105°C (-112 to +221°F).



R_{T_1} at 25°C - 6000 ohms

R_{T_2} at 25°C - 30000 ohms



WARNING

Use heat sinks when soldering or welding to thermistor leads.

U.S. Patent #3316765 Canadian Patent #782790

Industrial Division
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