YSI PRECISION THERMISTOR

YSI 44006

RESISTANCE 10,000 OHMS @25°C

Interchangeability: ±0.2°C (See Toler-vance Curves).

Max. Operating Temp: 150°C (300°F).

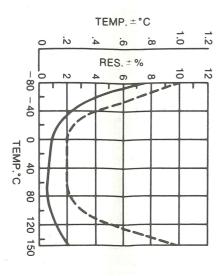
Time Constant, Max: 1 sec. in well stirred oil, 10 sec. in still air. Time constant is the time required for a thermistor to indicate 63% of a newly impressed temperature.

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

Color Code: Black epoxy body, blue end.

Storage Temperature: -80° to +120°C (-112° to +250°F).

Tolerance Curves: The following curves indicate conformance to standard resistance temperature values as a % of resistance, and as a maximum interchangeability error expressed as temperature.



___ RESISTANCE ±%
___ TEMPERATURE ±°C

WARNING

Use heat sinks when soldering or welding to thermistor leads.

32 AWG Tinned Copper Wire 3" Long

0 001 1 03	0.0			
0°021+ of	°08—	JANTARATURE	VERSUS	RESISTANCE
			0	DECIOTATION

TEMP°C RES 130 376.4 131 367.4 142 242.3 144 271.2 145 256.4 146 256.2 147 256.2 146 256.2 147 271.2 146 256.2 147 250.4 140 257.2 141 250.4 142 250.4 143 34.0 146 256.2 147 271.2 148 247.8 149 256.2 140 297.2 141 250.4 142 260.2 143 36.7 144 271.2 145 256.2 146 256.2 147 271.2 148 247.8 149 256.2 140 297.2 141 250.4 141 250.4 142 271.2 143 26.2 144 271.2 145 26.2 146 26.2 147 27.2 147 27.2 147 27.2 148 247.8 148 247.8 149 26.2 149 26.2	1, 129, 385, 1 1, 127, 404, 9 1, 126, 425, 3 1, 126, 425, 4 1, 126, 4 1, 126, 4 1, 126, 4 1, 126, 4 1,	80 823 1	## ## ## ## ## ## ## ## ## ## ## ## ##	289 600 31 6006 32 6006 32 6006 33 6006 34 7016 35 7291 36 6000 37 7579 38 867 38 867 38 867 39 8600 30 7579 40 000 50 8600 50 8600	10 623K 10 6	S	22 2010K 22 2010K 23 2010K 29 20010K 20 2010K 20 20 20 20 20 20 20 20 20 20 20 20 20 2
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