

590-33AA34-503

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> **590-33AA34-503**

Overview

500 Series surface temperature probe, NTC, 50,000 Ohm, ±0,2 °C [0.36 °F] tolerance, 0 °C to 70 °C [32 °F to 158 °F] accuracy, aluminum, threaded body (8-32 UNC-2A), flying leads (two), 24 gauge Teflon insulation, 64 mm

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Technical Specifications

Temperature Sensing Type	Surface	Operating Temperature	-60 °C to 125 °C [-76 °F to 257 °F]
Thermistor Type	NTC	Resistance	50,000 Ohm
Tolerance	±0,2 °C [0.36 °F]	Accuracy	0 °C to 70 °C [32 °F to 158 °F]
BETA (25/85)	4261	R-T Curve	1
Time Constant in Air	N/A	Dissipation Constant in Air	N/A

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Documents

TITLE	DOCUMENT TYPE	LANGUAGE	SIZE
 500 Series Packaged Temperature Probes	Datasheet	English	1MB
 Temperature Sensors Line Guide	Product Line Guide	English	290KB
 Hospital Applications	Brochure	English	5MB
 Thermal Sensors	Product Range Guide	English	12MB

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Product Features

- Choice of custom or existing designs
- Air/gas, surface, immersion and liquid level
- NTC type output
- Enhanced sensitivity
- Small package size
- Easy to install
- Enhanced reliability
- Enhanced accuracy

Applications

- Industrial: HVAC, refrigeration, office automation, air compressors, industrial ovens and ranges, hydraulic systems, processing and packaging, power generation
- Transportation: heavy duty or

- Enhanced stability/low drift
- Wide operating temperature range
- Wide variety of probe assembly styles
- Custom configurations available
- RTD linear output available

- sport vehicle engine oil, air inlet, fuel, coolant or surface temperature sensing
- Aviation: engine bleed air or environmental control systems
- Weather stations

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