

Honeywell Sensing and Control

Home> Products > Packaged Temperature Probes> 500 > Product Page

■ Order Product and **Get Support**

- U.S. Authorized Distributors
- Global Sales & Service
- N. American Sales Reps
- Distributor Inventory
- Technical Assistance
- White Papers
- Literature Request
- Test and Measurement Catalog
- RoHS Product List
- Customer Feedback

597-53DD01-104



500 Series surface temperature probe

Actual product appearance may vary.

Features

Wide selection of housing options Choice of custom or existing designs Operating temperature range design available from -60 °C to 300 °C [76 °F to Medical

Potential Applications

Automotive White goods Communications Fire detection Computers Instrumentation test equipment Microwave oven probes Bulk freight refrigeration Digital thermometers Drinking and vending machines Aerospace

Description

The 500 Series Probes represents a full range of thermistor and RTDbased temperature sensors. These assemblies have been designed for use in specific applications. Housings may accommodate air/gas, immersion or surface sensing requirements. Housing material ranges from all plastic to all metal. In addition to custom configurations, the customer may also choose from a variety of existing designs.

Supporting Documentation

Engineering Drawing

Product Specifications	
Thermistor Type	NTC
Temperature Sensing Type	Surface
Nominal Resistance at 25 °C [77 ° F]	100,000 Ohm
Tolerance	± 3.0%
Accuracy	116 °C [240 °F]
R-T Curve	1
Operating Temperature Range	-60 °C to 125 °C [-76 °F to 257 ° F]
Housing Material	Aluminum
Mechanical Interface	5/15 - 24 UNF thread
Electrical Interface	Lead wires with terminals
Lead Material	20 Gauge Teflon insulation
Lead Length	610 mm [24 in]
Connector Type	AMP 42531 - 2 receptacles
Time Constant on Metal Surface	5.0 s
Dissipation Constant on Metal Surface	10 mW/°C
Availability	Global
Series Name	500

Login to iCOM Login as Rep/AD Login as Guest Login to Digital University

Keyword Search

Search for product and support information.

All Sensing and Contro

Product Search

Part number search:

Use (*) to expand search

Specification Search