



# HONEYWELL

520-41AH05-105

*See full Datasheet below...*

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## 520-41AH05-105



500 Series air/gas 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 572 °F]

### Potential Applications

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

### Description

The 500 Series Probes represents a full range of thermistor and RTD based 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

None Available

Product Specifications	
Thermistor Type	NTC
Temperature Sensing Type	Air/Gas
Nominal Resistance at 25 °C [77 °F]	1,000,000 Ohm
Tolerance	± 20.0%
Accuracy	25 °C [77 °F]
R - T Curve	5
Operating Temperature Range	-60 °C to 150 °C [ -76 °F to 302 °F]
Housing Material	Epoxy filled
Mechanical Interface	None
Electrical Interface	Two flying leads
Lead Material	28 Gauge Teflon insulation
Lead Length	305 mm [12 in]
Time Constant in Air	16.0 s
Dissipation Constant in Air	0,7 mW/°C
Availability	Global
Series Name	500

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