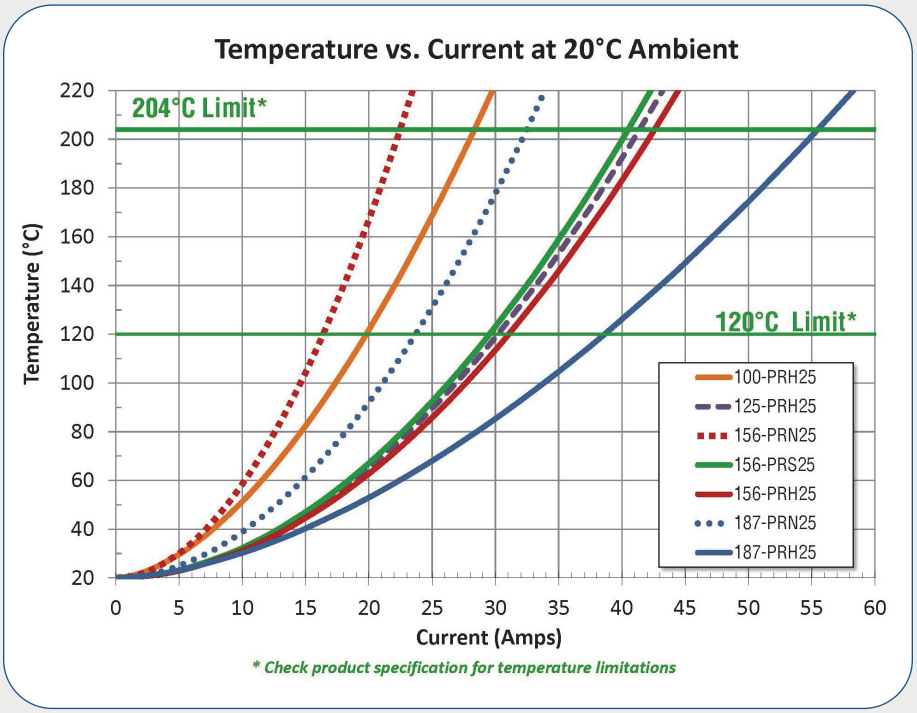
High Current Test Probes

QA Technology offers a wide range of test probes sizes for high current test applications from .100 [2.54] to .187 [4.75] center spacing. Current carrying capacity in spring test probes are predominately dependant on the product size, tube and spring materials, as well as the lubrication. Our PRH or PRS/SDH tube materials are made from a high conductivity copper alloy to give you the optimum current capacity. The PRN, nickel silver, probe tubes are a lower cost option and can be used when current rating requirements are not as high.

The current carrying capacity values below are based on temperature limits that a probe can withstand based on its spring and lubricant limits. Probes with a music wire spring are limited to 120°C, while a stainless steel spring probe can withstand 204°C temperatures. Actual current carrying will depend upon the specific application.

Some applications include Functional testing for:

- **Power Supplies**
- **Automotive Power Electronics**
- **Fuse Panels**
- **Variable Speed Drives**
- **Lighting Systems**
- **Appliances**
- **Environmental Life Testing**
- **Hybrid Electric Vehicles**
- **Replaces mating connectors to eliminate contact wear on cable assembly testing.**



Center-to-Center Spacing	Series	Probe	Socket	AMPS MW @ 120°C	AMPS SS @ 204°C
.100 [2.54]	100-25	100-**PRH**2509H	100-SDH250W	19.8	28
.125 [3.17]	125-25	125-**PRH**2509H	125-SDH250S	n/a	41
.156 [3.96]	156-25	156-**PRH**2509H 156-PRS2509H 156-PRN2509H	156-SDH250S 156-SDH250S 156-SDN250S	n/a	43 47 22
.187 [2.54]	187-25	187-**PRH**2509H 187-PRN2509H	187-SDH250S 187-SDN250S	n/a	55 32

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