

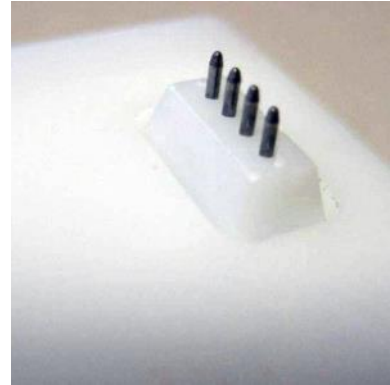
# SRM Probe Head



The SRM Probe Head is a plastic bodied four point probe head which is applied by hand. The connection to the probe head is via a female RJ45 connector which is the same type of connector used for Ethernet cable connections. A standard Ethernet cable can be used to connect to the SRM probe head, however, a coiled cable is available as shown in the photo below.

The 8 conductors of the cable are as follows:

- 1-not used
- 2-not used
- 3-current in
- 4-voltage read
- 5-voltage read
- 6-current out
- 7-not used
- 8-not used



## Probe Tips Specification Choices

The probe has four spring-loaded, collinear probe tips.

**Tip Spacing:** 40, 50, or 62.5 mils

**Spring Loads:** 45, 85, or 180 grams per tip

**Tip Material:** tungsten carbide or 50% osmium alloy

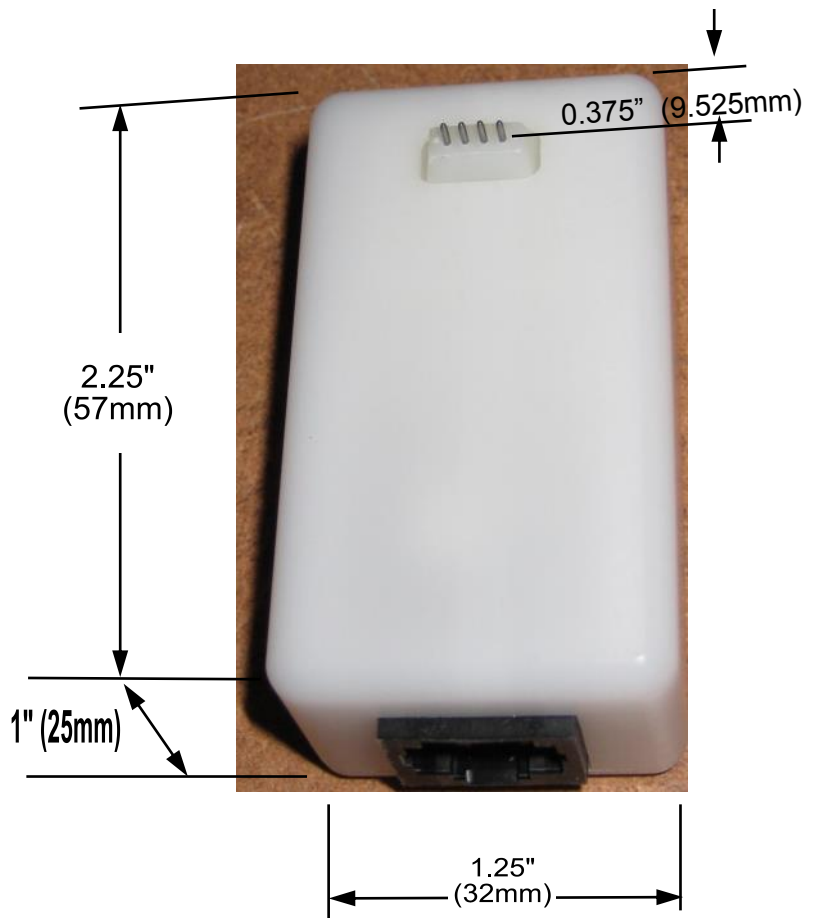
**Tip Radii:** 1.6, 5, or 10 mils.

The probe is also available with the “flush mount” housing in which the tips are recessed deeper into the outer housing so that the tip retraction is limited, resulting in a lower spring pressure than the stated gram load (see page 2 for an image showing the difference between the standard housing and the flush mount housing).

SRM PROBE HEAD  
with CABLE



## SRM Probe Approximate Dimensions (in inches)



## Standard SRM Probe Housing versus the “Flush Housing”

Standard Probe Housing



Flush Housing



The “Flush Housing” probe on the right has the inner probe assembly mounted deeper into the outer shell so that only the ends of the tips protrude from the housing. This limits the tip retraction, significantly reducing the spring load for use when probing soft materials or whenever a lighter spring load is preferred to reduce marking on the material or required to make successful measurements. Standard probe tip retraction distance is 0.187”. The “flush housing” probe has tip retraction of 0.03”.